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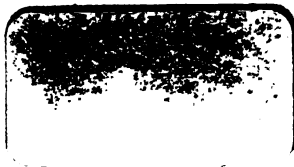
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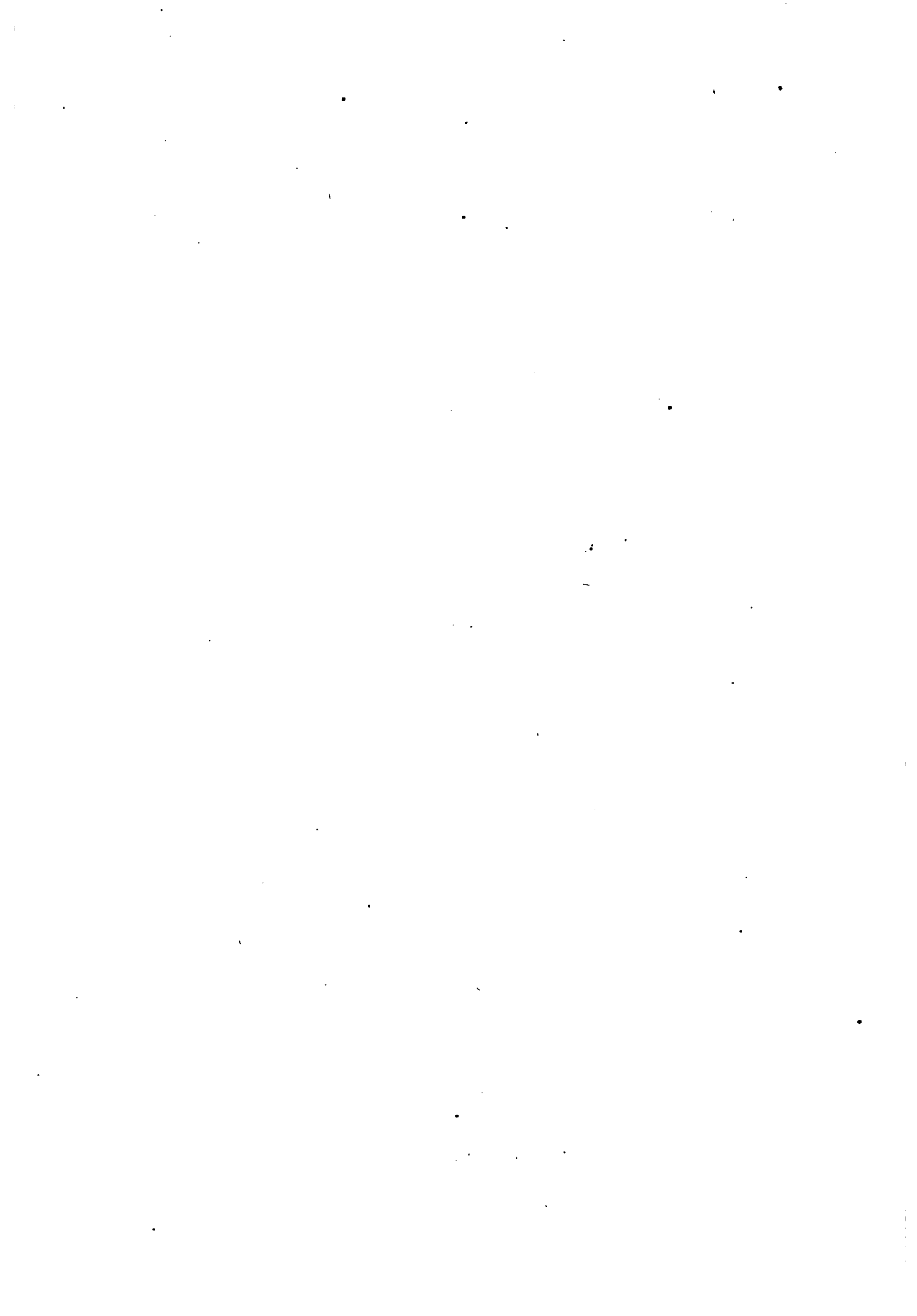
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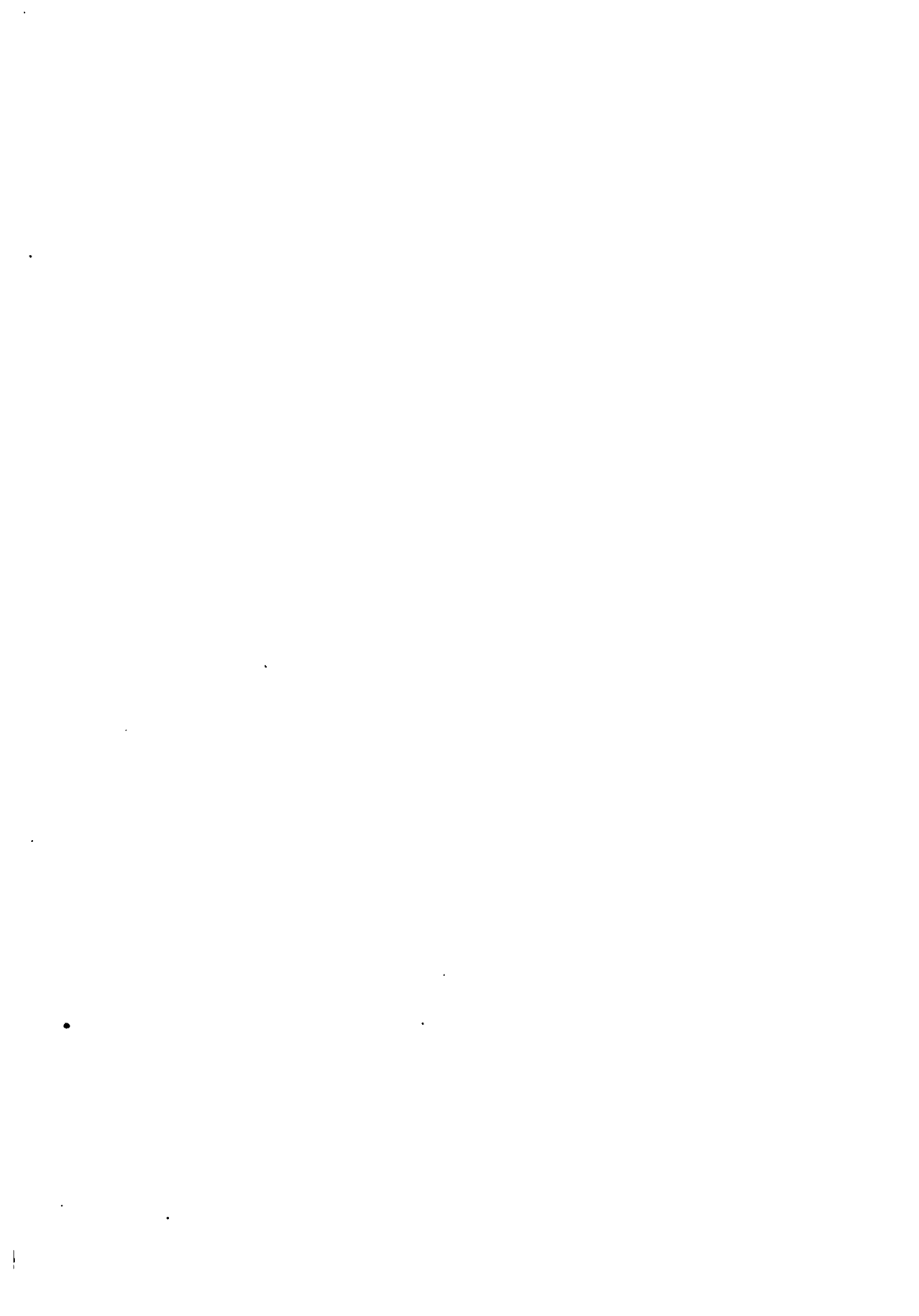
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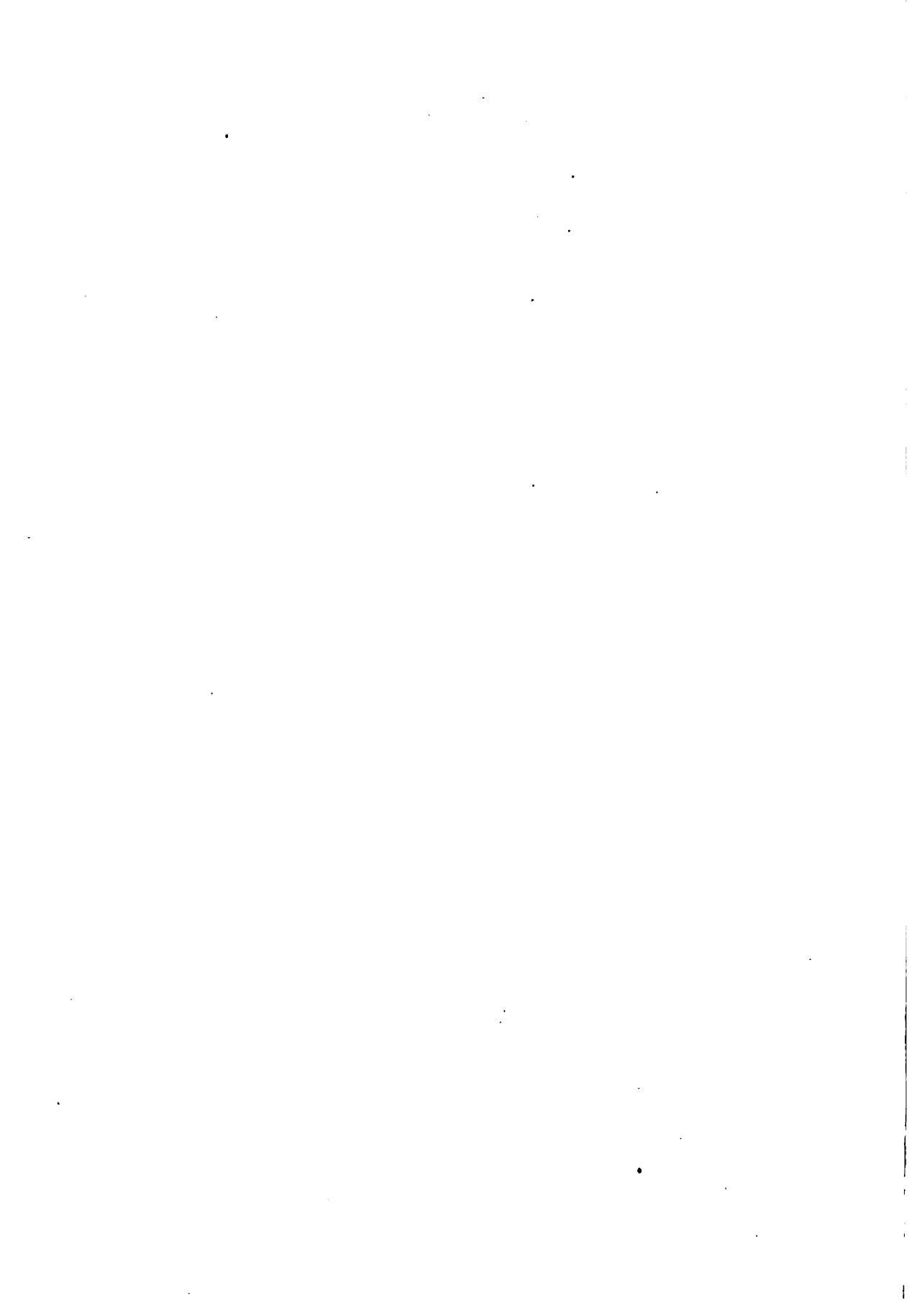
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# STORAGE BATTERIES

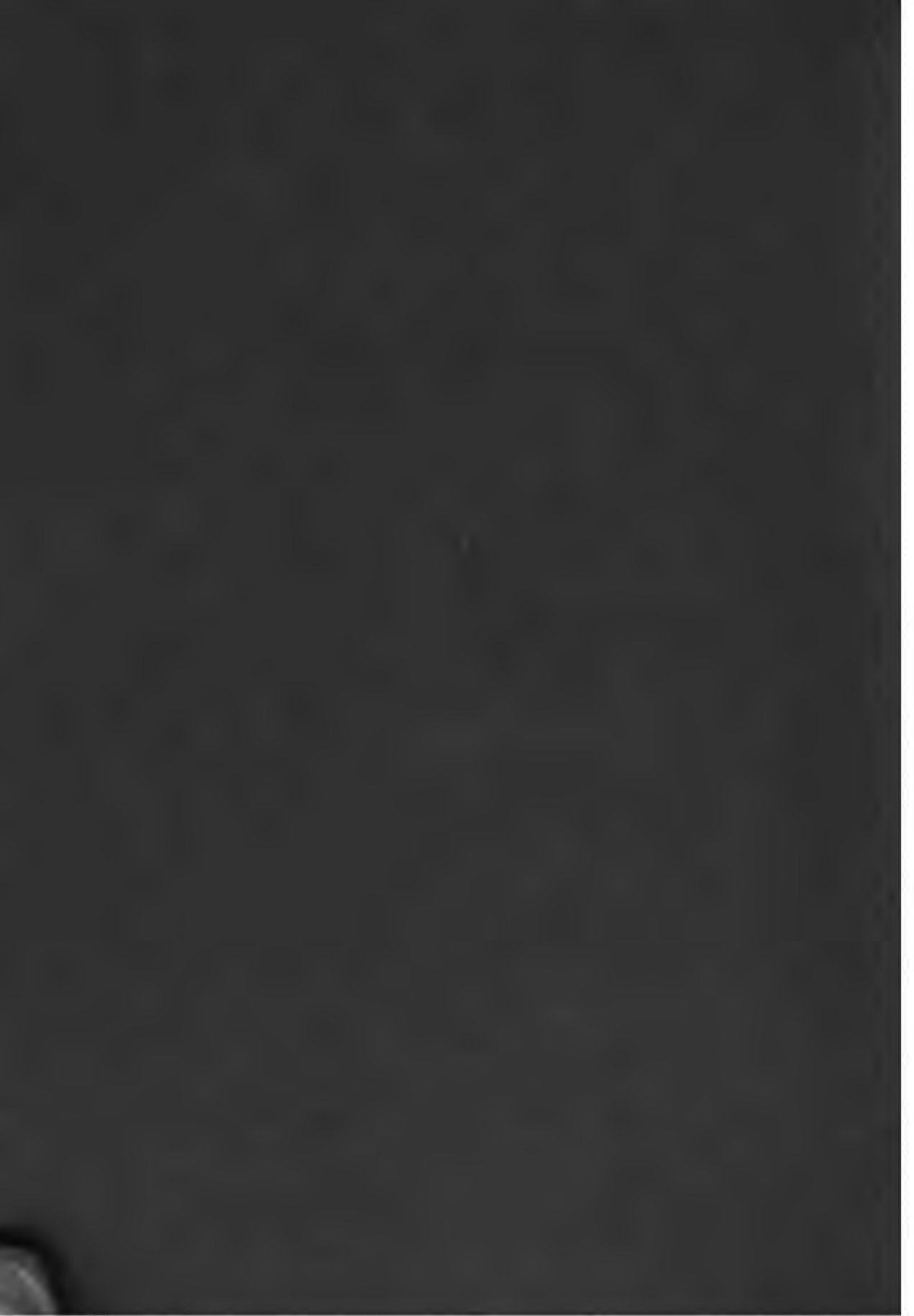
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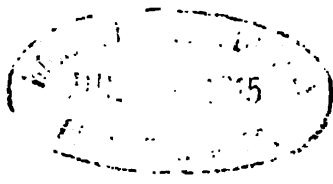


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# LIST OF REFERENCES ON STORAGE BATTERIES, 1900-1915

COMPILED BY GEORGE S. MAYNARD

*Bibliography presented for graduation, Library School of The New York Public Library, 1915*

The list includes books and periodical articles that have appeared since the beginning of 1900. The arrangement is chronological by date of publication. Author and subject indexes are appended.

References have not been made to patent abstracts, nor, in general, to "trade" descriptions or articles of minor importance; nor have references been taken from the periodical "Centralblatt für Accumulatoren- und Galvanotechnik," which should be consulted in its entirety.

A few works not in The New York Public Library have been included in this list; these are in either the Columbia University Library or the Library of the United Engineering Societies, and are indicated, respectively, by the words Columbia and Eng. Lib. following the entry.

1900

1. **Accumulateur** Heinz. illus. (L'électricien, Paris, v. 20, Nov. 24, 1900, p. 323-325.) **VGA**
2. **Accumulateur** Van Kampen. (L'éclairage électrique, Paris, v. 23, May 5, 1900, p. 172.) **VGA**
3. **Accumulateurs** Commelin et Viau à gaz sous pression. illus. (L'éclairage électrique, Paris, v. 23, June 23, 1900, p. 452-454.) **VGA**  
Also in L'électricien, Paris, v. 20, Oct. 13, 1900, p. 227-230, *VGA*.
4. **Accumulateurs** Commelin et Viau, légers et à haute tension. illus. (L'éclairage électrique, Paris, v. 23, June 23, 1900, p. 454-456.) **VGA**  
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Cell has metallic salt electrolyte and lead peroxide anode.
5. **Akunoff**, Iwan. Zur Thermodynamik der Chlor-Knallgaskette. (Zeitschrift für Electrochemie, Halle, Jahrg. 7, Dec. 6, 1900, p. 354-356.) **PKA**  
Thermodynamics of the hydrogen-chlorine gas cell.
6. **Beckmann**, H. Sur un nouveau procédé de formation autogène des plaques d'accumulateurs. (L'éclairage électrique, Paris, v. 25, Oct. 6, 1900, p. 47-48.) **VGA**  
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7. **Blondin**, J., and A. BAINVILLE. Accumulateurs pour automobiles électriques. (Le concours international de l'automobile-club.) illus. (L'éclairage électrique, Paris, v. 22, p. 57-64, 130-137, 171-177, 289-292, 336-342.) **VGA**  
Abstracted in Electrical world and engineer, New York, v. 35, Feb. 10, 1900, p. 224, *VGA*.  
Gives a complete report of an elaborate series of tests.
8. **Dolezalek**, Friedrich. Contribution à la théorie de l'accumulateur au plomb. (L'éclairage électrique, Paris, v. 23, June 30, 1900, p. 499-502.) **VGA**
9. — Ueber den Temperaturkoeffizienten des Blei-Akkumulators. (Zeitschrift für Electrochemie, Halle, Jahrg. 6, April 19, 1900, p. 517-519, May 17, p. 557.) **PKA**  
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10. **Ferguson**, Louis A. Storage batteries for small stations. illus. (Western electrician, Chicago, v. 27, July 7, 1900, p. 2-3.) **VGA**
11. **Gérard**, Eric. Piles secondaire ou accumulateurs. illus. (In his: Leçons sur l'électricité. 6. ed. Paris: Gauthier-Villars, 1900. 8°. p. 405-438.) **Columbia**
12. **Girault**, Paul. Couplage d'accumulateurs. Sur la charge en parallèle de deux demi-batteries d'accumulateurs et leur décharge en tension. (Industrie électrique, Paris, v. 9, Sept. 25, 1900, p. 402-404.) **VGA**
13. **Hanchett**, George T. The selection of a storage battery for an automobile. (American electrician, New York, v. 12, June, 1900, p. 297-298.) **VGA**  
Calculation of the watt-hours required for a given weight and speed.
14. **Heim**, C. Ueber die Ladung von Akkumulatoren bei konstanter Spannung. (Elektrotechnische Zeitschrift, Berlin,

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- Jahrg. 21, 1900, p. 269-272, 288-290, 309-312, 329-331, 347-349, 391-394, 416-419, 438-441, 463-465, 487-491, 504-507.) **VGA**
15. **Helbig, D.** Sur les émanations des accumulateurs. (L'éclairage électrique, Paris, v. 23, May 5, 1900, p. 174.) **VGA**
16. **Jumau, L.** Sur l'emploi d'une électrode supplémentaire dans les recherches sur l'accumulateur électrique. illus. (L'éclairage électrique, Paris, v. 24, July 14, 1900, p. 59-65.) **VGA**  
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18. **Kohn, M.** Graphische Ermittelung der Leistung von Pufferbatterien. (Elektrotechnische Zeitschrift, Berlin, Jahrg. 21, Jan. 25, 1900, p. 78-80.) **VGA**  
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20. **Loewit, Arthur.** Sektionsschalter für Akkumulatorenladung. (Elektrotechnische Zeitschrift, Berlin, Jahrg. 21, Aug. 2, 1900, p. 640-641.) **VGA**  
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21. **Macrae, Roderick.** The regulation of storage battery voltage. illus. (Electrical world and engineer, New York, v. 35, March 24, 1900, p. 431-433.) **VGA**
22. **Majert accumulator.** illus. (American electrician, New York, v. 12, Jan., 1900, p. 29.) **VGA**  
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24. **Michelis, B. von.** Berechnung der Akkumulatoren und Betriebsmaschinen für Electricitätswerke. (Journal für Gasbeleuchtung, Munich, Jahrg. 43, July 28, 1900, p. 576-579, Aug. 4, p. 595-598.) **VOA**
25. **Nernst, W., and FRIEDRICH DOLEZALEK.** Ueber die Gaspolarisation im Bleiakкумуляtor. (Zeitschrift für Electrochemie, Halle, Jahrg. 6, May 10, 1900, p. 548-550.) **PKA**  
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26. **Norden, Konrad.** Ueber eine Methode zur Bestimmung der wahren Oberflächen von Akkumulatorenplatten. (Zeitschrift für Electrochemie, Halle, Jahrg. 6, 1900, p. 397-403, 444, 470.) **PKA**  
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27. **Norris, H. H.** Storage batteries in railway power stations. (Street railway review, Chicago, v. 10, Dec. 15, 1900, p. 733-736.) **††TPB**  
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28. **Peters, Franz.** Effect of sunlight on lead peroxide. (Electrician, London, v. 45, Oct. 19, 1900, p. 952.) **VGA**
29. — Experiments with accumulator plates. (Electrician, London, v. 45, May 18, 1900, p. 136-137.) **VGA**  
Method of rehardening softened positive plates.
30. **Reynolds, Edward L.** Storage batteries in electric railway power stations. (American electrician, New York, v. 12, Oct., 1900, p. 474-475.) **VGA**  
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31. **Reyval, J.** Accumulateurs Pollak. illus. (L'éclairage électrique, Paris, v. 24, Sept. 22, 1900, p. 442-447.) **VGA**
32. **Rossander, C. A., and E. A. FORSBERG.** Ueber die Vorausbestimmung der erforderlichen Kapazität von Akkumulatoren-batterien. (Elektrotechnische Zeitschrift, Berlin, Jahrg. 21, Oct. 25, 1900, p. 881-883.) **VGA**  
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35. — Selbstthätige Lade- und Entladevorrichtung für Akkumulatoren. (Zeitschrift für Elektrotechnik, Wien, Jahrg. 18, Feb. 11, 1900, p. 77-78.) **VGA**
36. — Ueber Hochspannungs Akkumulatoren. illus. (Zeitschrift für Elektrotechnik, Wien, Jahrg. 18, Sept. 30, 1900, p. 478-479.) **VGA**
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Method of calculating the necessary size of a battery to provide for a demand that follows a certain load curve.

42. Use of the storage battery in the theatre. (American electrician, New York, v. 12, April, 1900, p. 166-167.) **VGA**

43. **Wade, E. J.** Storage battery problems. (Institution of Electrical Engineers. Journal, London, v. 29, 1900, p. 460-495, 524-530.) **VGA**

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44. **Wehrlin, H.** Ueber die Grosseoberflächenplatte (System Wehrlin)...und ihre Anwendbarkeit für Pufferbatterien. (Zeitschrift für Elektrotechnik, Wien, Jahrg. 18, Aug. 12, 1900, p. 395-397.) **VGA**

Requirements of a battery for rapid charge and discharge.

45. **White, L. G.** Desirability of using storage batteries in medium-size stations. (Western electrician, Chicago, v. 27, Aug. 25, 1900, p. 117.) **VGA**

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47. **Abraham, A. J.** The maintenance of central station batteries. (Electrical review, London, v. 48, April 12, 1901, p. 620.) **VGA**

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48. **Accumulators** and electric traction systems. (Electrical review, London, v. 49, Dec. 13, 1901, p. 1025-1056.) **VGA**

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49. **Allen, A. H.** The storage of electricity. illus. (Engineer, London, v. 91, May 31, 1901, p. 579-580, June 7, p. 605-606.) **VGA**

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52. **Blizard, Charles.** Development of the use of the storage battery in the United States. (Electrical review, New York, v. 38, Jan. 12, 1901, p. 75-76.) **VGA**

Brief historical account.

53. **Booth, W. H.** The accumulator as a source of economy in electric traction. (Electrical review, London, v. 48, Jan. 25, 1901, p. 140-142.) **VGA**

54. **Dolezalek, Friedrich.** Die theorie des Bleiakкумуляtors... Halle: W. Knapp, 1901. vi p., 1 l., 122 p. 8°. **Eng. Lib.**

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57. **Fay, Thomas J.** Storage battery maintenance. (Electrical world and engineer, New York, v. 37, April 6, 1901, p. 550-551.) **VGA**

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59. **Fitz-Gerald, Desmond G.** The lead storage battery: its history, theory, construction and use. London: Biggs (1901). 383 p. illus. 8°. **Columbia**

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- 62. Grindle, G. A.** On the use of storage batteries in connection with electric tramways. (Institution of Electrical Engineers. Journal, London, v. 30, 1901, p. 1098-1127.) **VGA**  
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- 63. Harrington, W. E.** Storage batteries located in power stations. (Street railway review, Chicago, v. 11, Oct. 12, 1901, p. 726-729.) **TPB**  
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 Brief description.
- 66. —** The Pascal Marino accumulator. illus. (Electrical review, London, v. 49, July 26, 1901, p. 131-132.) **VGA**  
 Lead cell with phosphoric acid electrolyte.
- 67. Highfield, J. S.** Storage batteries in electric power stations, controlled by reversible boosters. illus. (Institution of Electrical Engineers. Journal, London, v. 30, 1901, p. 1040-1096.) **VGA**  
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- 68. Hopkinson, B.** The losses of energy in accumulators. (*Electrician*, London, v. 48, Nov. 29, 1901, p. 211-214, Dec. 6, p. 263-264.) **VGA**
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 Advantages as a load equalizer.
- 70. Hull, R. C.** Influence of storage batteries upon railway generating apparatus. (Electrical review, New York, v. 38, Jan. 19, 1901, p. 97-99.) **VGA**  
 Take the load fluctuations.
- 71. Jumau, L.** Sur l'accumulateur fer-potasse peroxyde de nickel. Un nouveau brevet Edison. (L'éclairage électrique, Paris, v. 29, Oct. 19, 1901, p. 93-95.) **VGA**
- 72. —** Sur le nouvel accumulateur Edison. illus. (L'éclairage électrique, v. 28, July 27, 1901, p. 124-130.) **VGA**
- 73. Kennelly, Arthur E.** The new Edison storage battery. illus. (American Institute of Electrical Engineers. Transactions, New York, v. 18, 1901, p. 219-243.) **VGA**  
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- 74. Lasczynski, St. von.** Neuere Arbeiten über Sammler aus anderen Metallen als Blei. (Zeitschrift für Elektrochemie, Halle, Jahrg. 7, Aug. 8, 1901, p. 821-827.) **PKA**  
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- 75. Lees, S.** The battery. (Electrical engineer, London, v. 28, Aug. 16, 1901, p. 235-236.) **VGA**  
 Practical notes on the care of a battery.
- 76. Liagre, Charles.** Influence de la température sur la capacité des accumulateurs au plomb. (L'éclairage électrique, Paris, v. 29, Nov. 2, 1901, p. 149-152.) **VGA**
- 77. Loppé, F.** Les accumulateurs électriques. Paris: Masson (1901?). 200 p. 2. ed. 12°. (Encyclopédie scientifique des aide-mémoires.) **Eng. Lib.**
- 78. Lunn, Ernest.** Curves for showing the charge remaining in a storage battery. (American electrician, New York, v. 13, Sept., 1901, p. 436-437.) **VGA**
- 79. —** Installation, operation and economy of storage batteries. illus. (Association of Engineering Societies. Journal, v. 26, April, 1901, p. 254-272.) **VDA**  
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- 80. Lyndon, Lamar.** Storage battery auxiliaries. (Electrical world and engineer, New York, v. 37, 1901, p. 972-974, 1015-1017, 1071-1073, 1112-1113; v. 38, p. 13-14, 64-65.) **VGA**  
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- 81. —** The storage battery in railway power station service. (Street railway journal, New York, v. 18, July 6, 1901, p. 18-22.) **TPB**  
 Data required for determining the necessary size of battery and boosters under given conditions.
- 82. Marsh, Albert L.** An alkaline nickel-oxide cell. (Electrical world and engineer, New York, v. 38, July 27, 1901, p. 136.) **VGA**
- 83. Martin, T. Commerford.** Storage batteries in central stations. (National Electric Light Association. Convention 24, 1901, p. 393-409.) **VGS**  
 Battery used to carry peak load; effect on cost of output and investment.
- 84. Morse, Franklin E.** Application of the storage battery to the Brooklyn Heights railroad. (Street railway journal, New York, v. 18, Sept. 21, 1901, p. 340-342.) **TPB**  
 Description of a successful installation.

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Plates made of a special compound of lead salts.
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A graphic method.
87. Palmer, R. L. The Cleveland and Chagrin Falls railroad's storage battery sub-station. *illus.* (Electrical review, New York, v. 38, April 27, 1901, p. 532-533.) **VGA**  
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90. — Some notes on the copper cadmium storage battery. (Western electrician, Chicago, v. 28, May 4, 1901, p. 303.) **VGA**
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130. — Emploi des accumulateurs sur les voitures électriques. (Électricien, Paris, v. 24, July 5, 1902, p. 11-12.) **VGA**

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- 195. —** Der Jungner-Edison Akkumulator. (*Elektrotechnische Zeitschrift*, Berlin, Jahrg. 24, Aug. 6, 1903, p. 619-623; Jahrg. 25, May 26, 1904, p. 442.) **VGA**  
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- 196. Scott, E. Kilburn.** Electric automobile accumulator cells for quick charge rates. (*Electrical engineer*, London, v. 32, Nov. 13, 1903, p. 752.) **VGA**
- 197. Sessions, P. L.** Storage battery industrial locomotives. (*American Institute of Electrical Engineers. Transactions*, 1903, v. 22, p. 109-131.) **VGA**  
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- 199. Sperry, Elmer A.** The use of pyroxyline in electric storage batteries. (*American Electrochemical Society. Transactions*, v. 3, 1903, p. 169-175.) **PKA**
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208. **Bienaimé, G.** Notes sur le point d'arrêt de la décharge d'une batterie d'accumulateurs. (Électricien, Paris, v. 27, June 11, 1904, p. 379-380.) **VGA**

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212. **Davis, F. M.** Some notes on the Edison nickel-iron storage battery. (Western electrician, Chicago, v. 35, Nov. 12, 1904, p. 392-393.) **VGA**

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213. **Dieudonné, Émile.** Soins à donner aux batteries d'accumulateurs. (Revue technique, Tours, v. 25, July 25, 1904, p. 754-756, Aug. 25, p. 867-868.) **VA**

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215. **Doublet, J. M. Gritters.** Emploi d'un survolteur pendant la décharge d'une batterie. (L'éclairage électrique, Paris, v. 40, July 2, 1904, p. 15-16.) **VGA**

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217. **Edison storage battery.** illus. (Engineering, London, v. 78, July 1, 1904, p. 1-5.) **VDA**

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218. **Edison-Akkumulatoren auf der Weltausstellung in St. Louis.** (Zeitschrift von Deutscher Ingenieure Verein, Berlin, Jahrg. 48, Dec. 3, 1904, p. 1857-1860.) **VDA**

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220. **Fernandez, W. T.** Operation of storage batteries and boosters. (American electrician, New York, v. 16, Jan., 1904, p. 52-54.) **VGA**

221. **Finzi.** Edison-Akkumulator. (Zeitschrift für Elektrotechnik, Wien, Jahrg. 22, May 22, 1904, p. 319-320.) **VGA**

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- 437. New Edison storage battery.** illus. (Electrical review and western electrician, Chicago, v. 57, July 23, 1910, p. 165-169.) **VGA**  
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- 442. Rumpf, Erich.** Ueber die Gasentwicklung der Akkumulatoren. (Zeitschrift für Elektrochemie, Halle, Jahrg. 16, March 1, 1910, p. 163-165.) **VGA**
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- 450. Walton, Julian.** The storage battery and its application to the electric vehicle. (Electrical review and western electrician, Chicago, v. 56, Feb. 12, 1910, p. 330-332.) **VGA**
- 451. Werkner, Richard.** Anwendung von Akkumulatoren in Gleichstrom- und Drehstromzentralen. (Elektrotechnik und Maschinenbau, Wien, Jahrg. 28, Jan. 30, 1910, p. 93-98, Feb. 6, p. 117-119.) **VGA**  
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- 453. Zehnder, L.** Ueber den Hochspannungs-Akkumulator. (Annalen der Physik, Leipzig, Folge 4, Bd. 33, 1910, p. 641-645.) **PAA**
- 454. Zickler, K.** Akkumulatoren. illus. (In his: Lehrbuch der allgemeinen Elektrotechnik... Leipzig: F. Deuticke, 1910. 4°. Bd. 2, p. 434-475.) **VGC**  
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- 455. —** Zur Vorausbestimmung der Grösse und Wirkung von Pufferbatterien. (Elektrotechnik und Maschinenbau, Wien, Jahrg. 28, July 10, 1910, p. 579-585.) **VGA**  
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- 456. Accumulators in traction.** (Electrical engineer, London, v. 48, Aug. 11, 1911, p. 155-156.) **VGA**  
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- 457. Association of Edison Illuminating Companies.** Report on storage batteries. 1911. 64 p. **Eng. Lib.**  
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- 458. Baker, Joseph B. Thomas A. Edison's latest invention.** illus. (Scientific American, New York, v. 104, Jan. 14, 1911, p. 30, 45-47.) **VA**  
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Results obtained in two years' working of the 12000 ampere-hour battery at Manchester, Eng.

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**600. Electric vehicles.** (Engineer, London, v. 118, 1914, p. 86-88, 165-166, 196-198, 208-209.) **VA**

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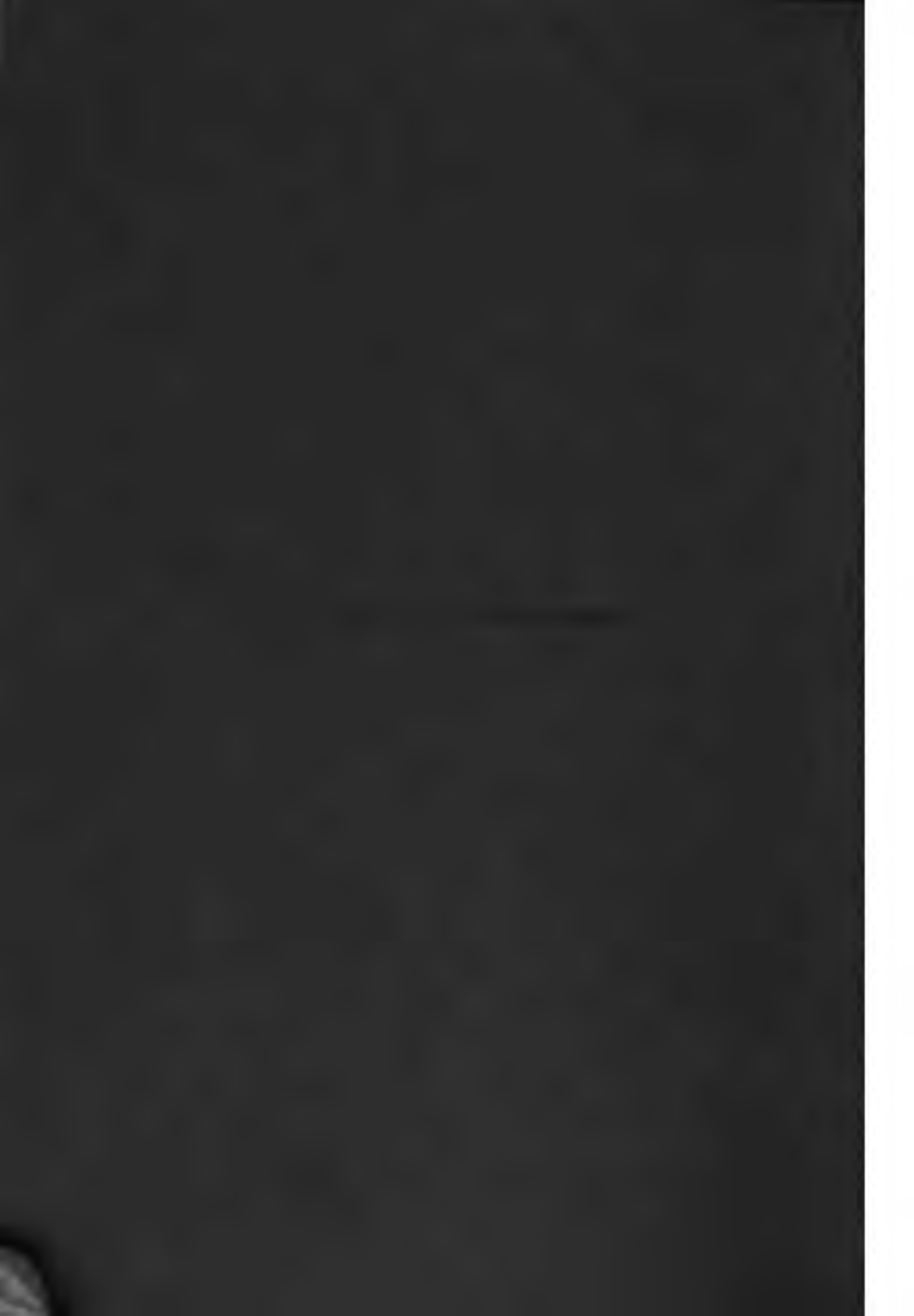


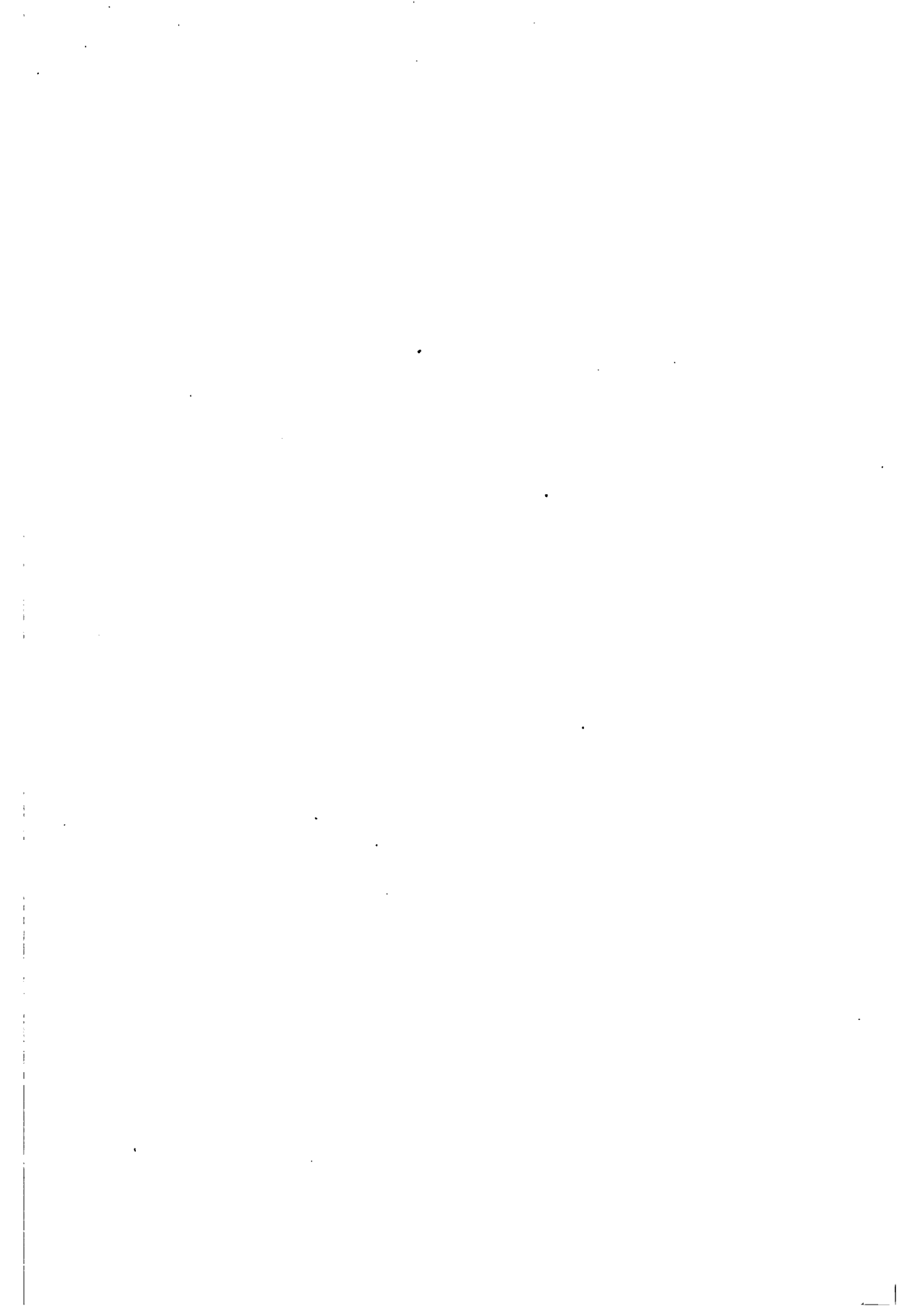








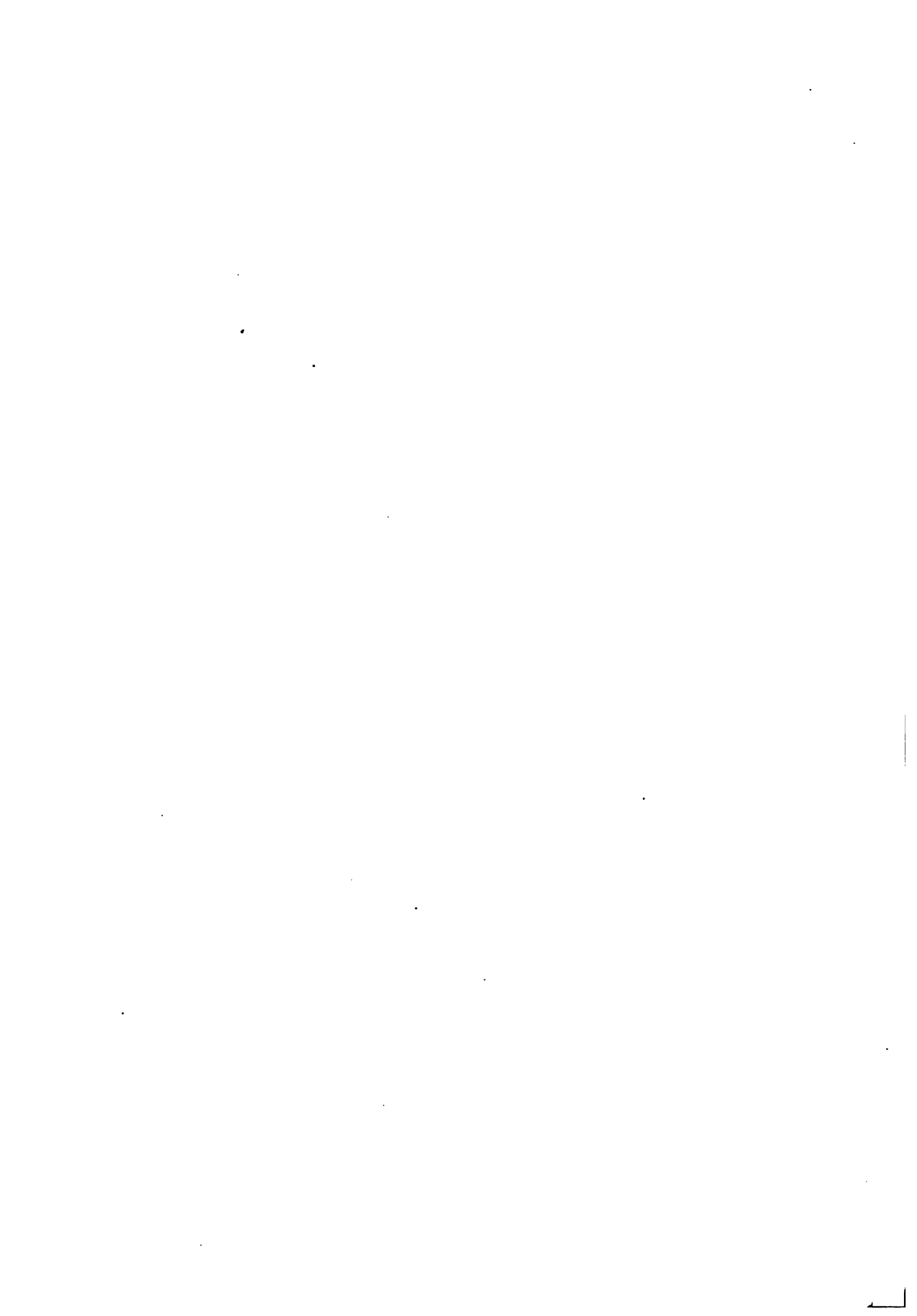




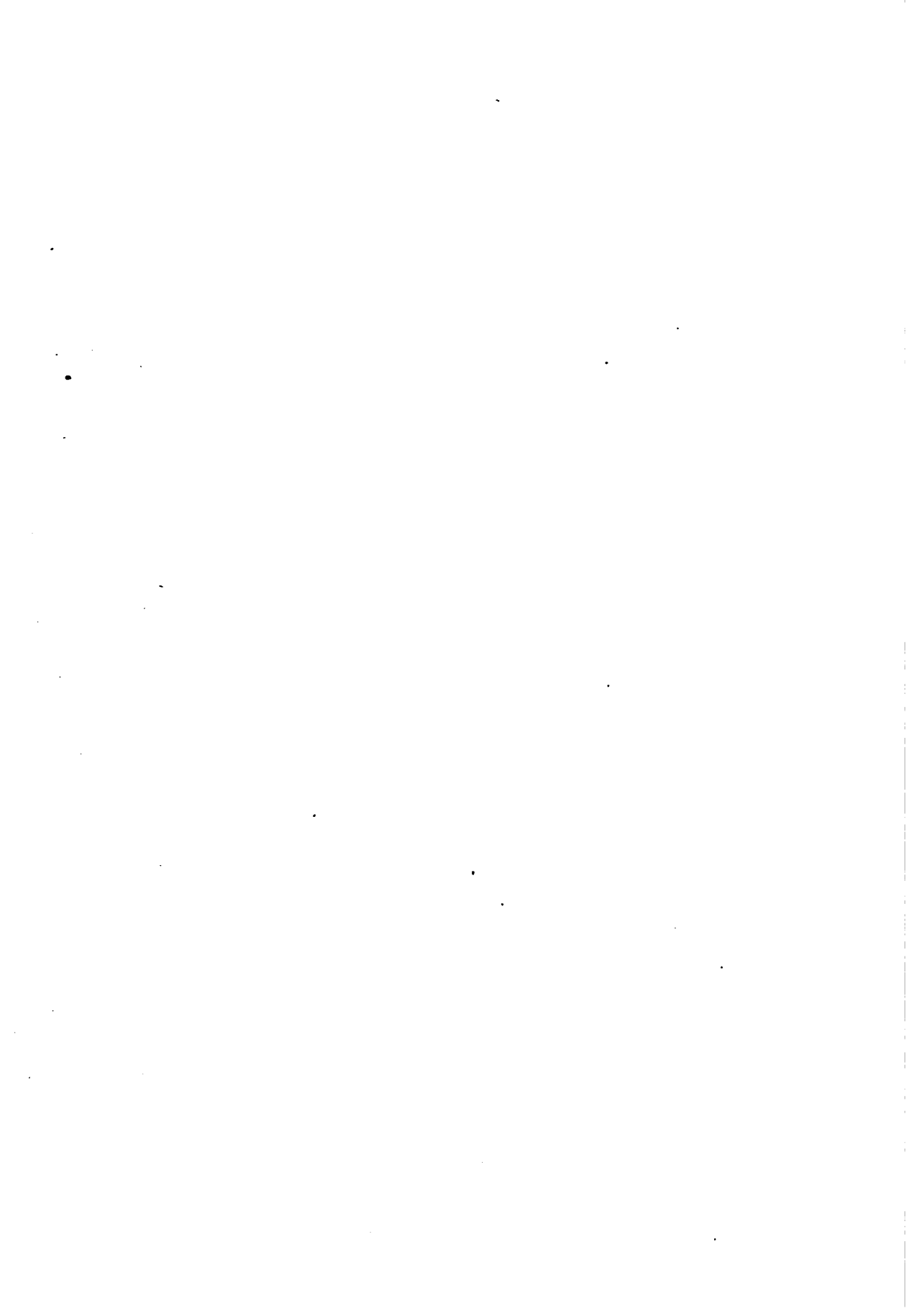


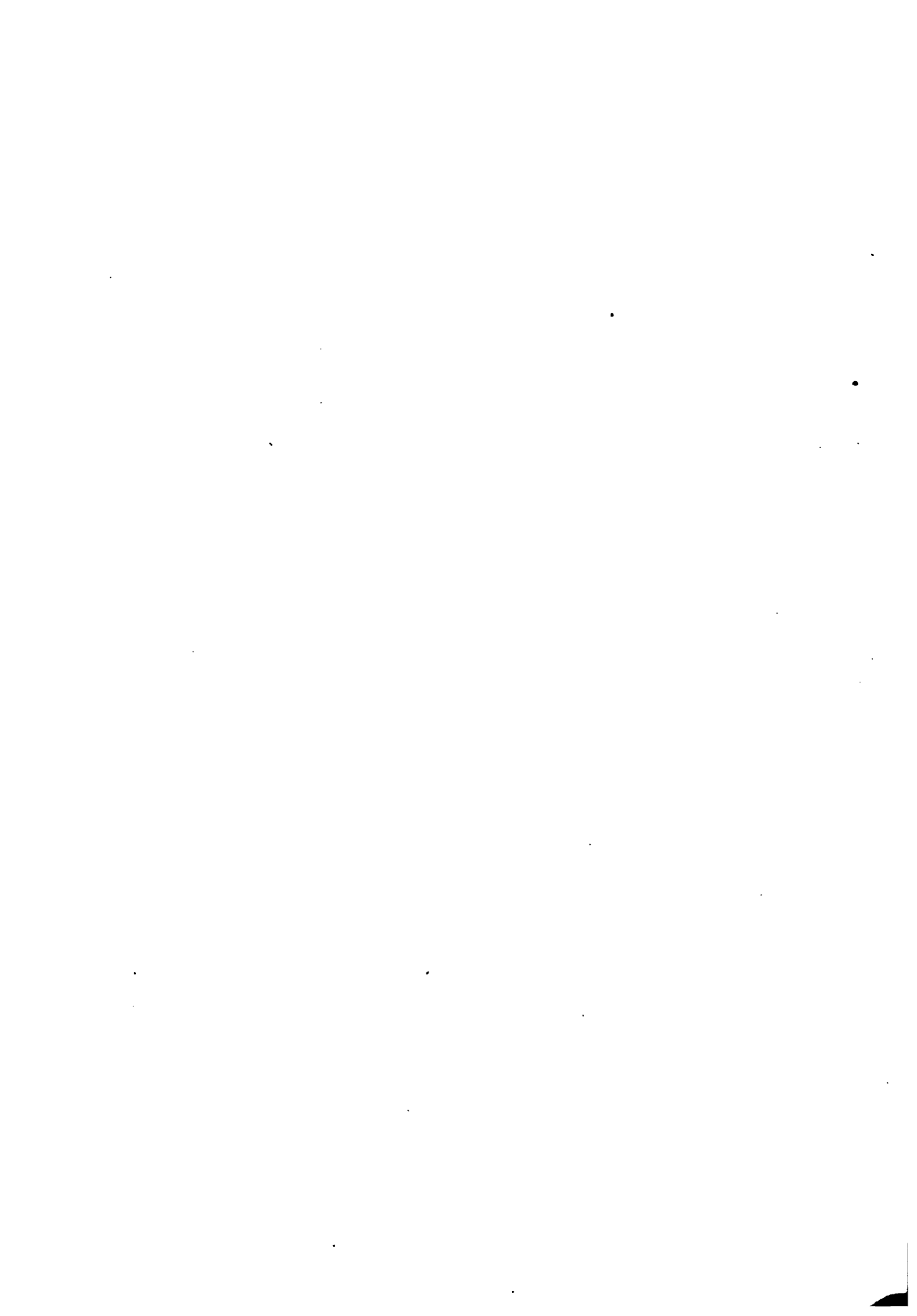




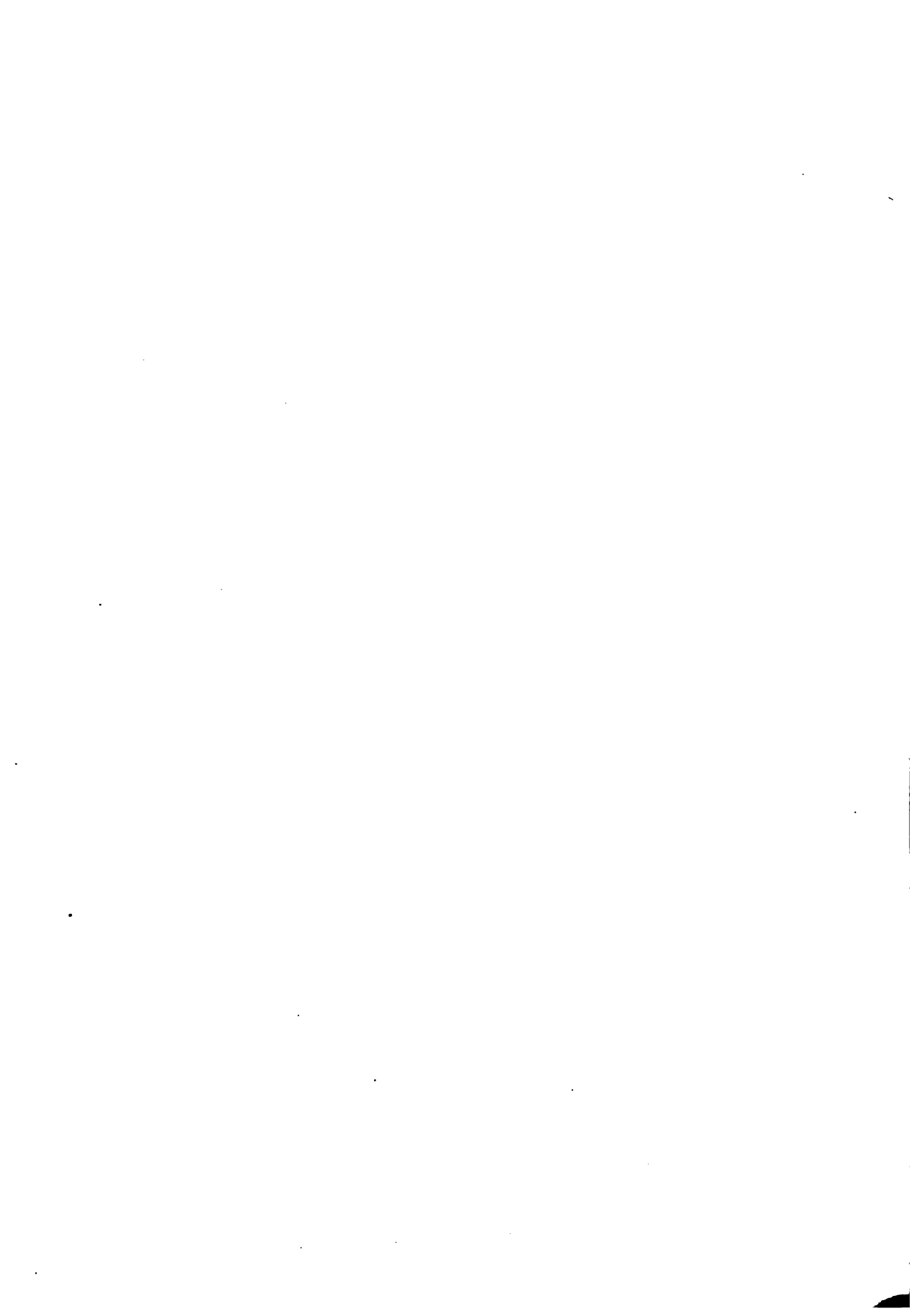




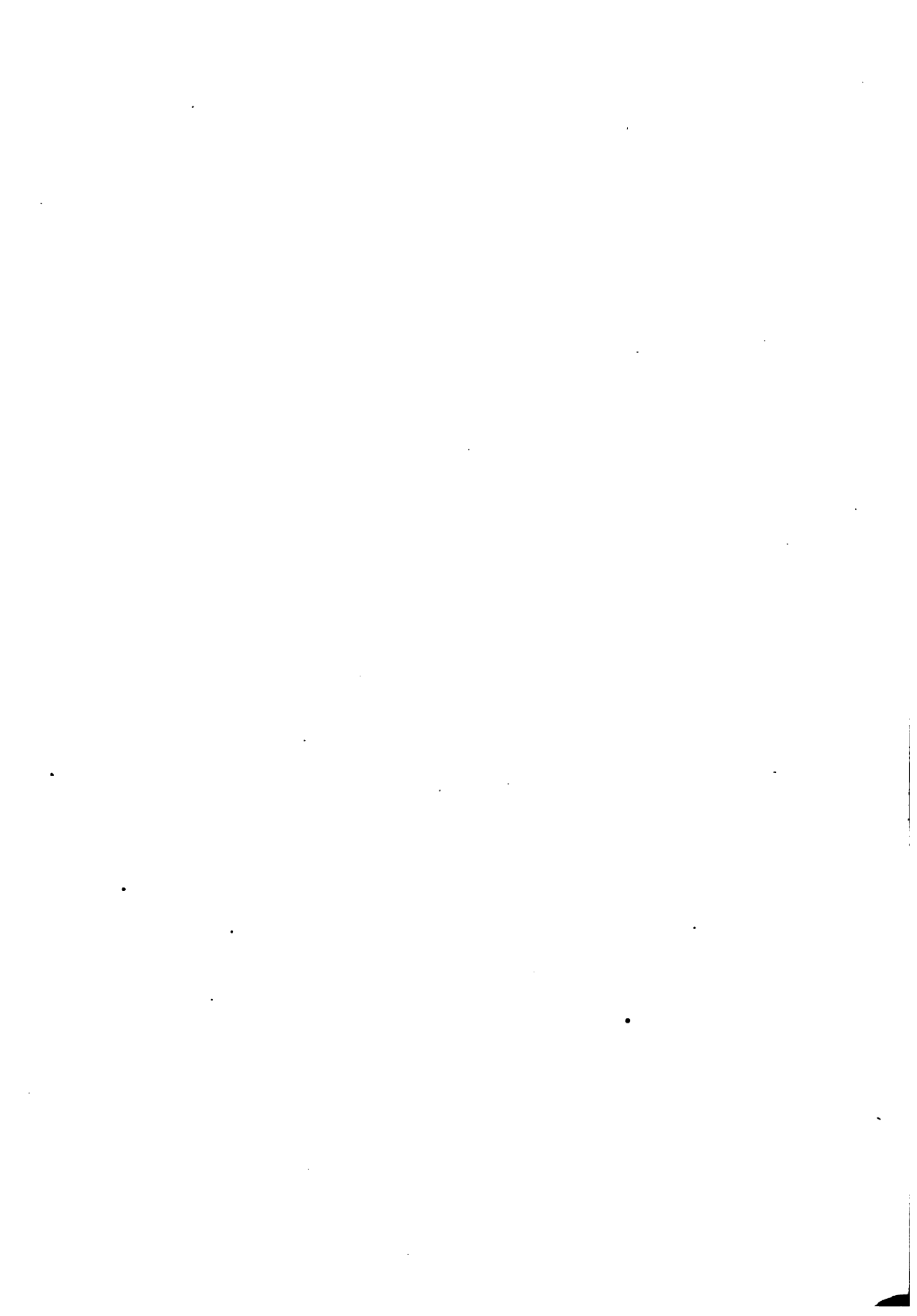




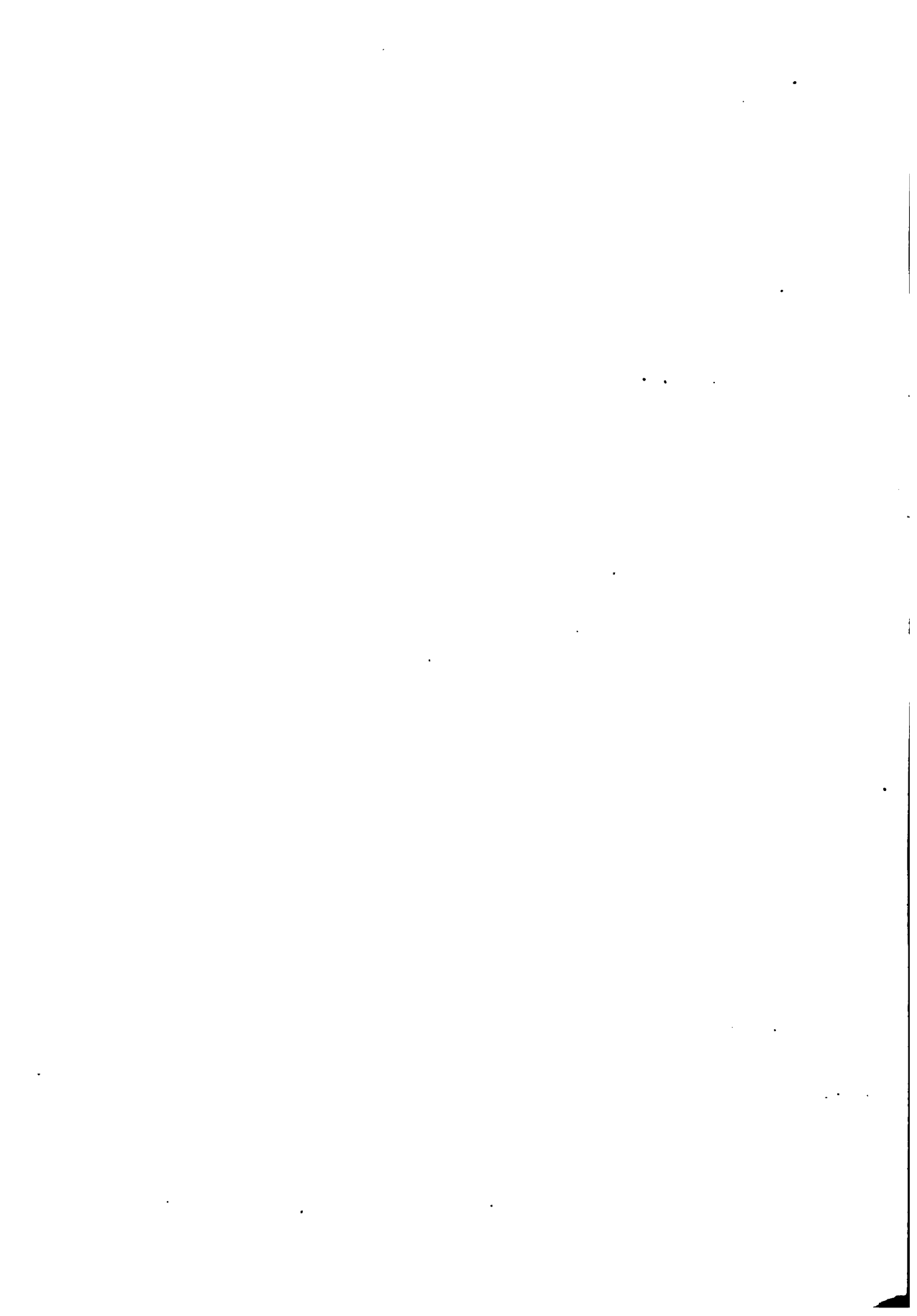




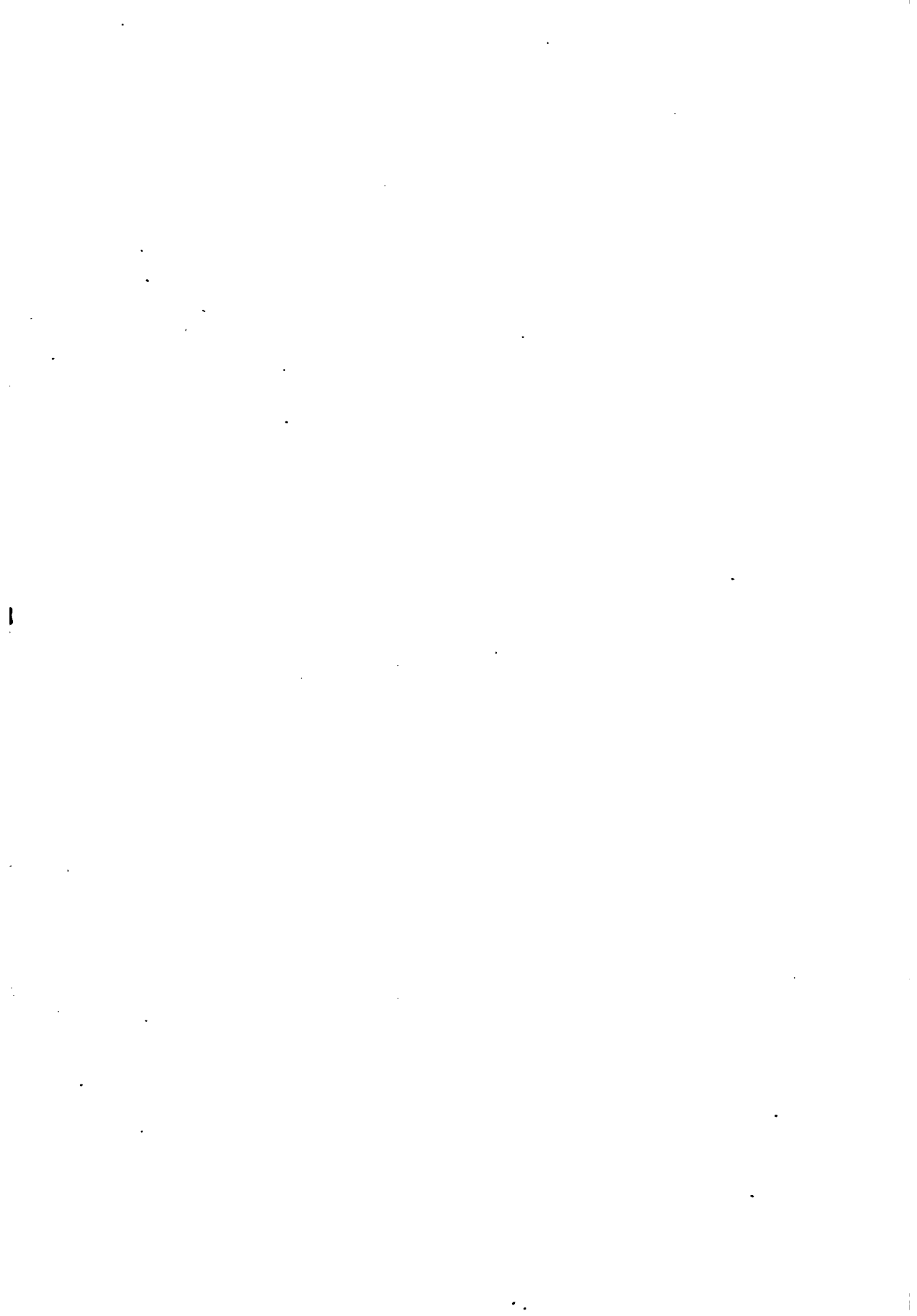




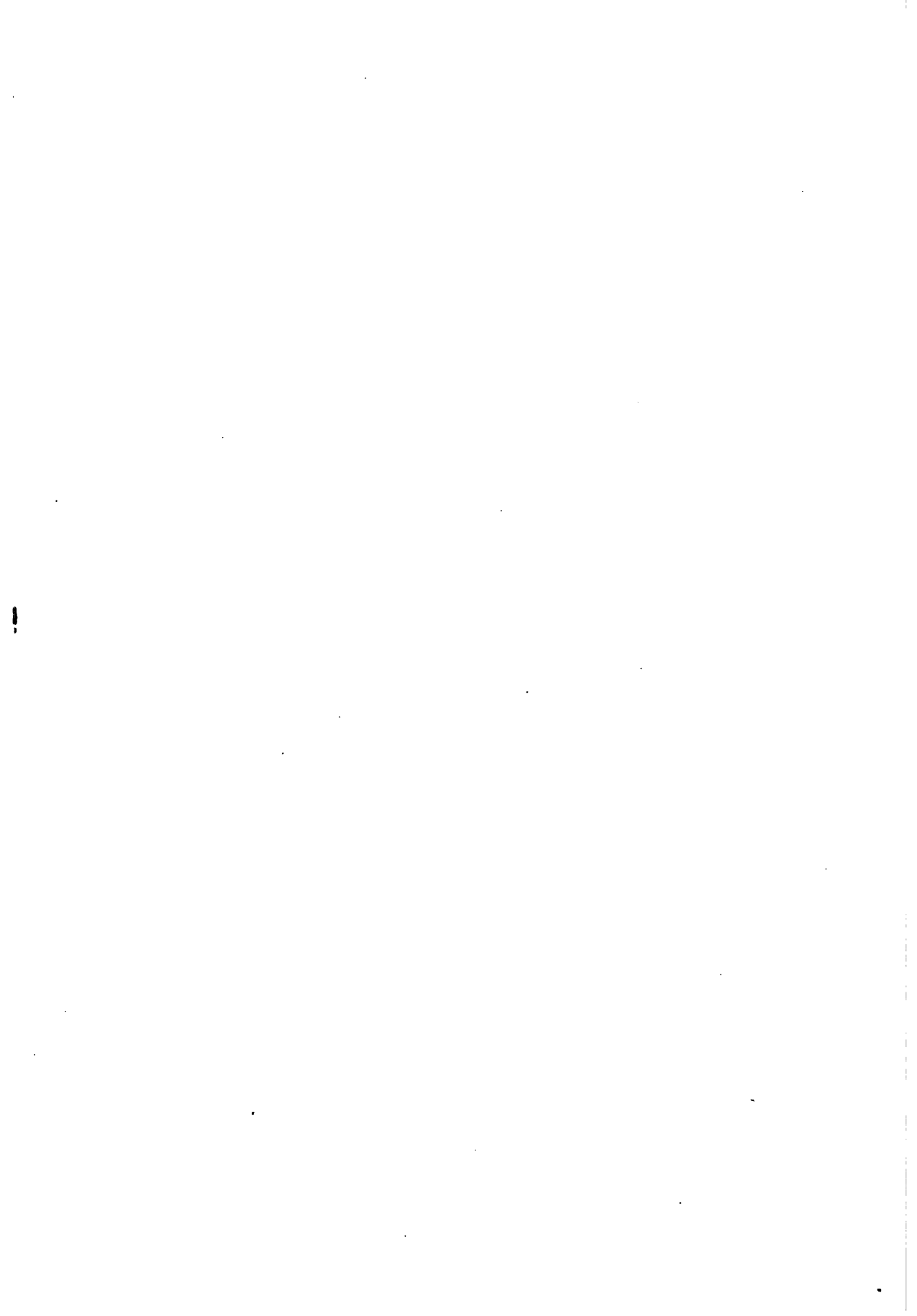






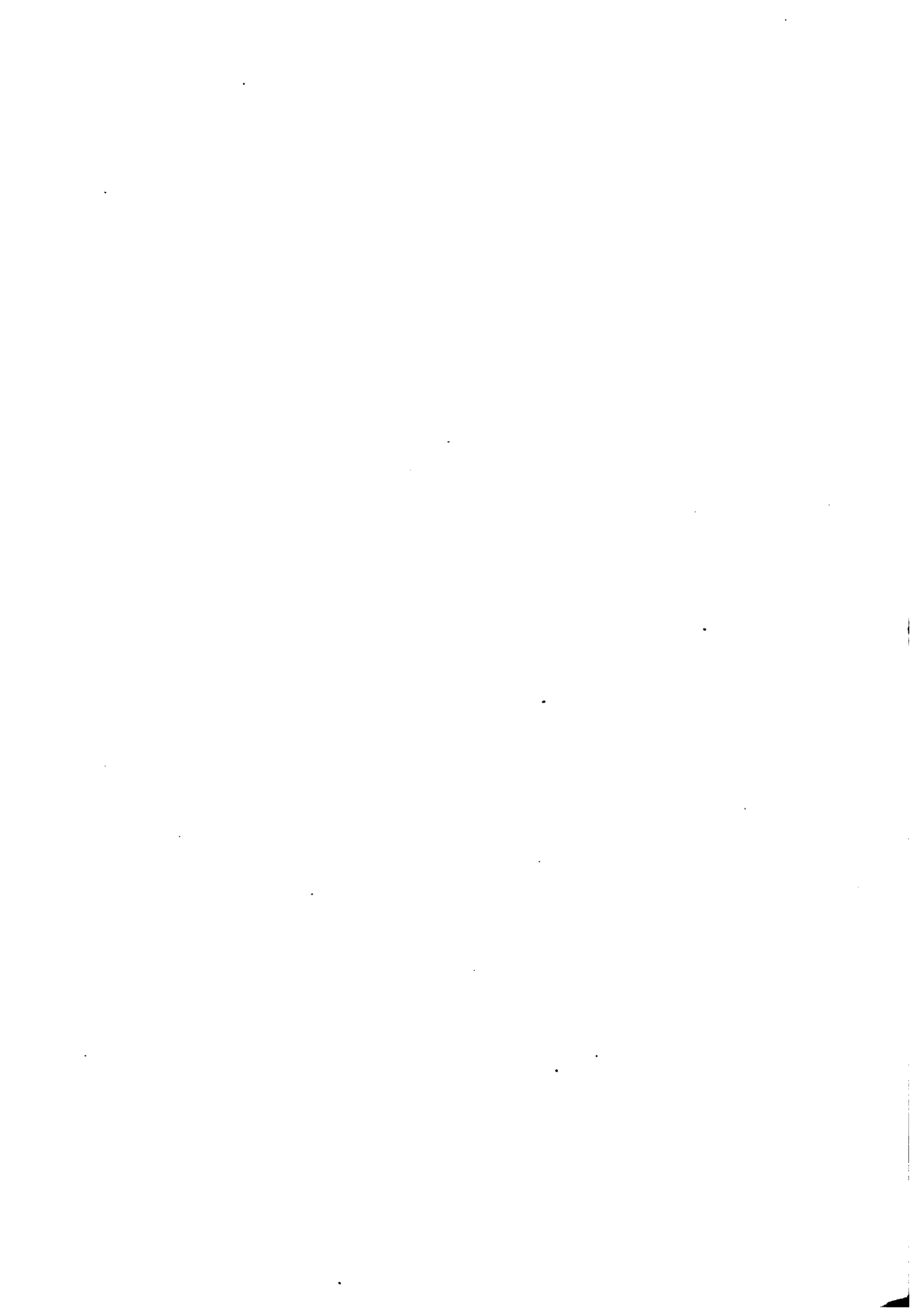










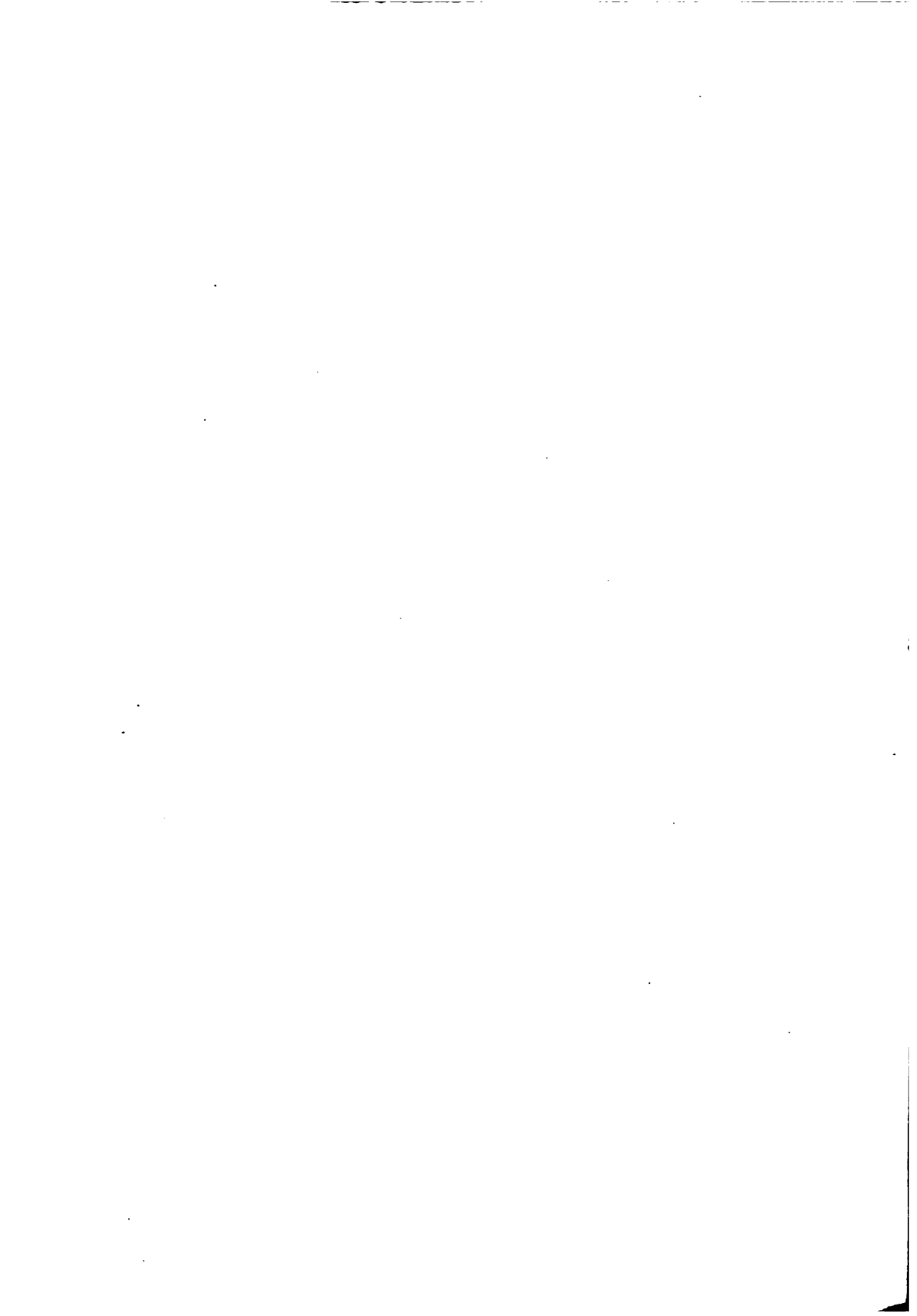




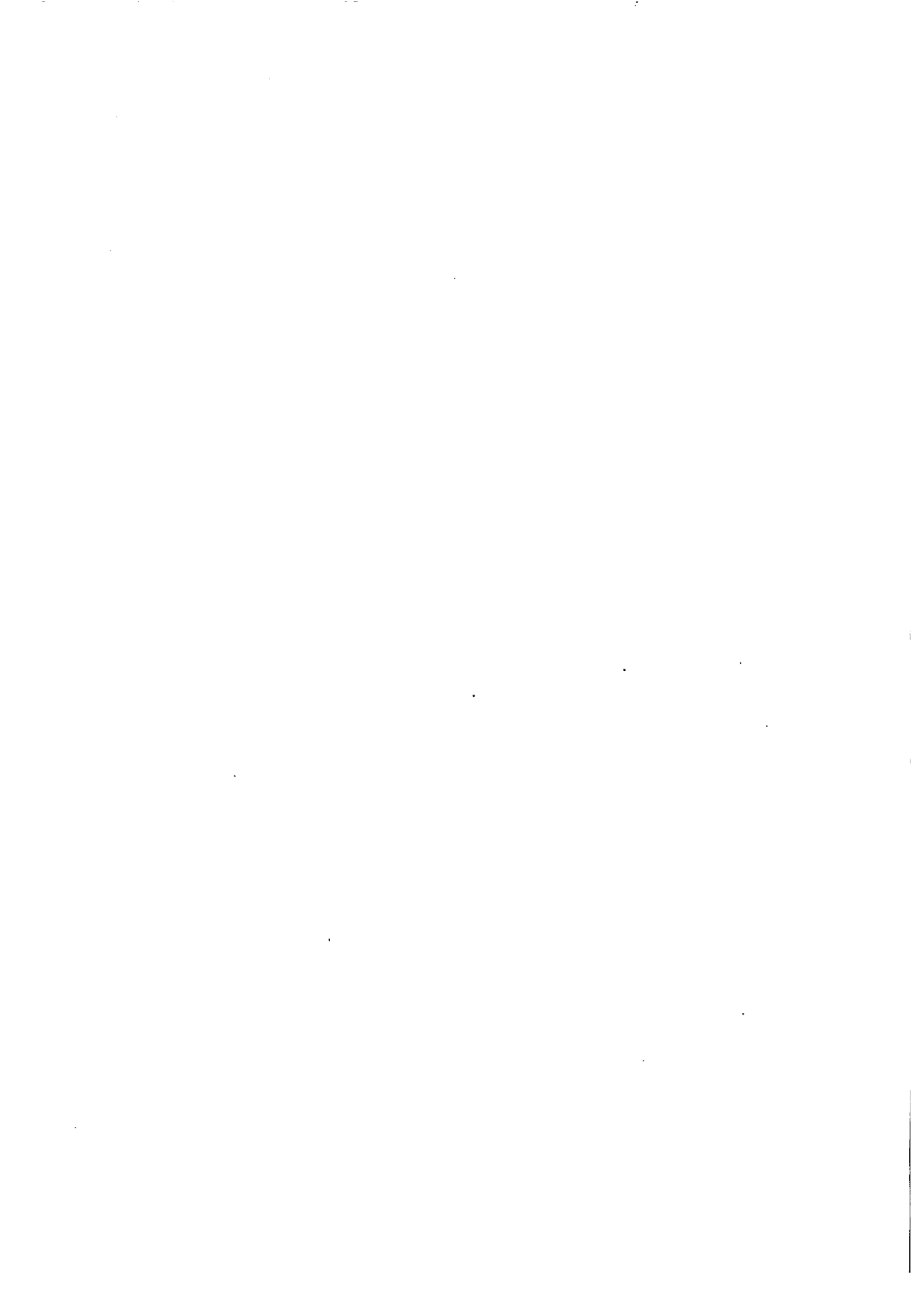






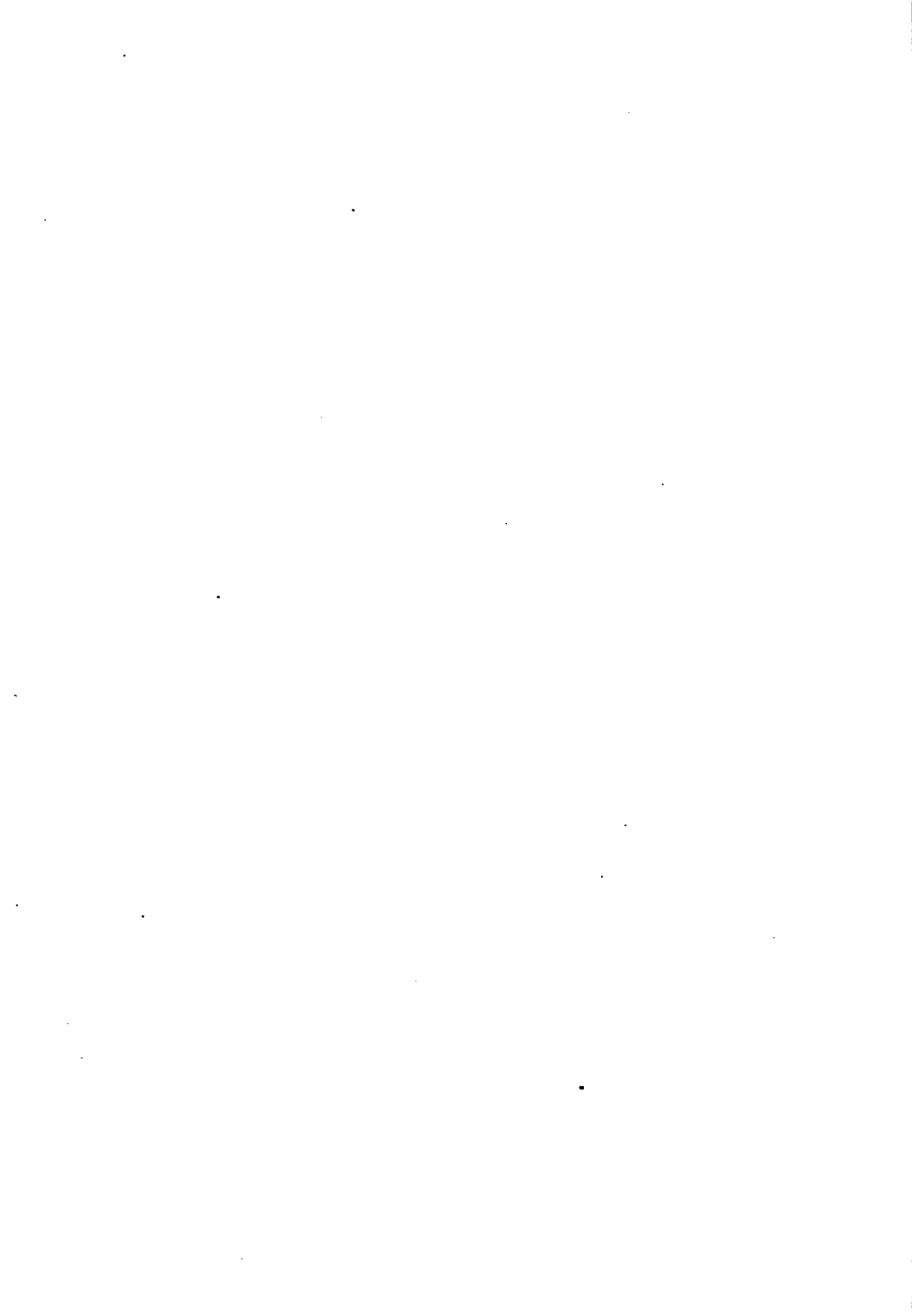
















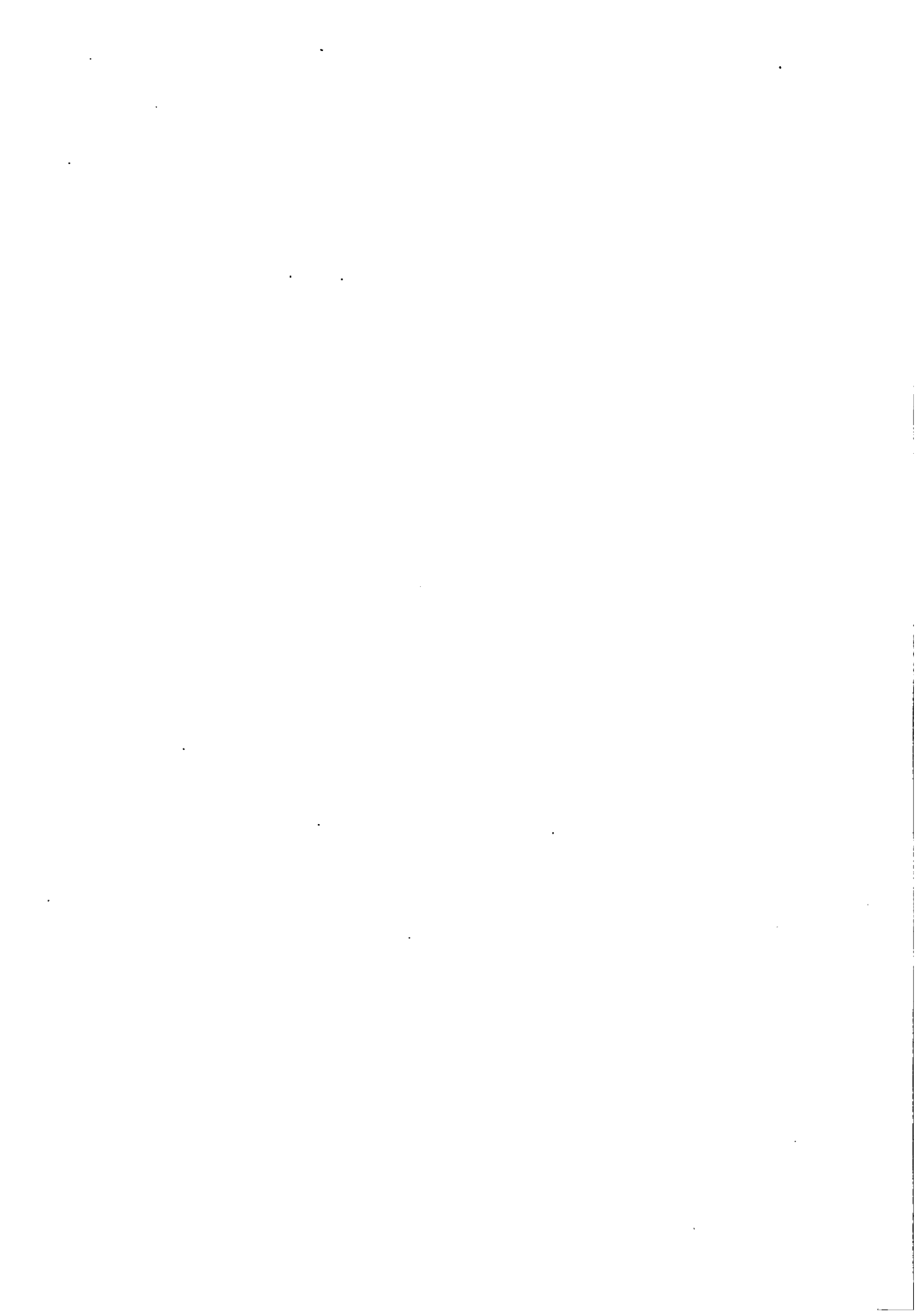




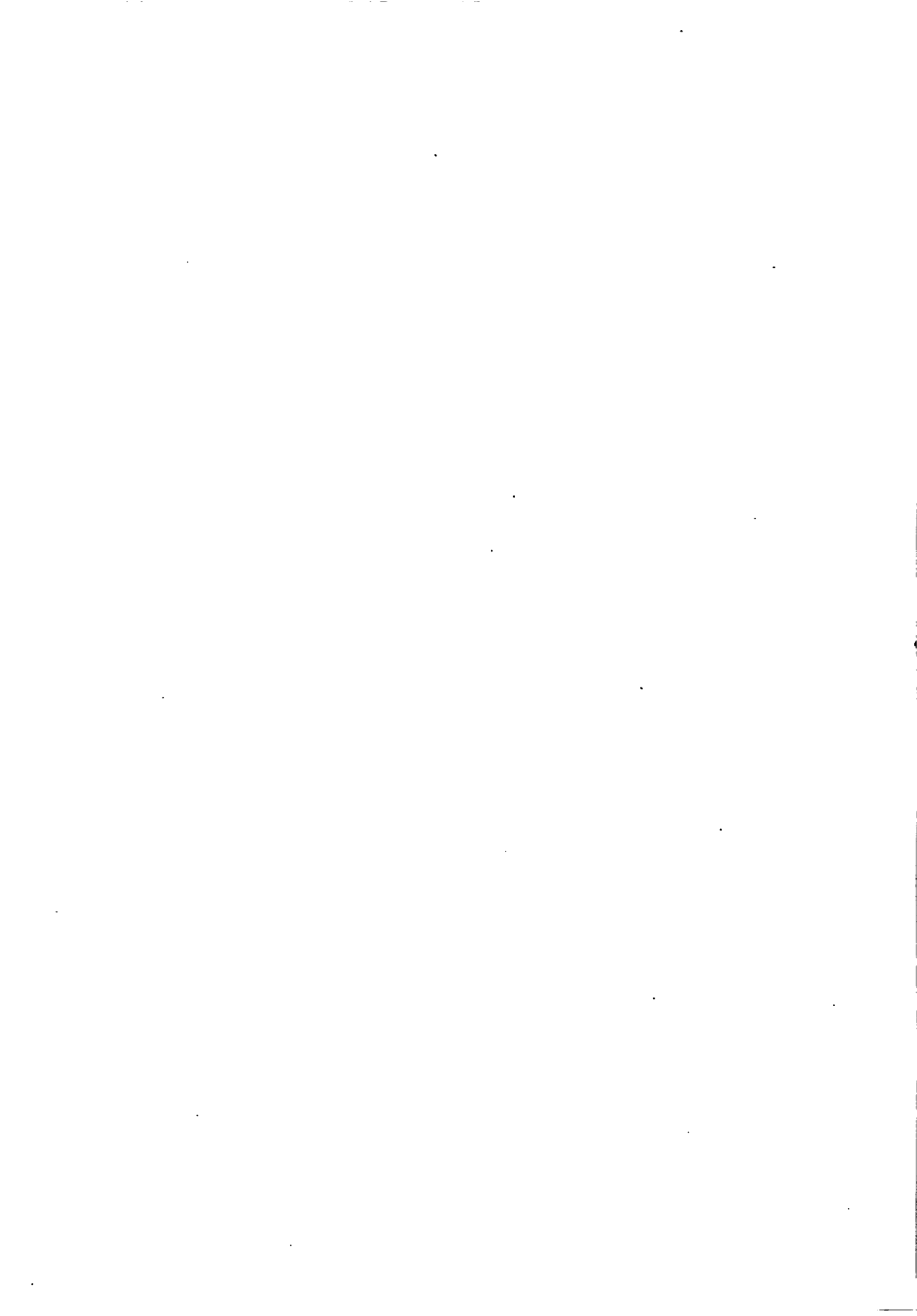
















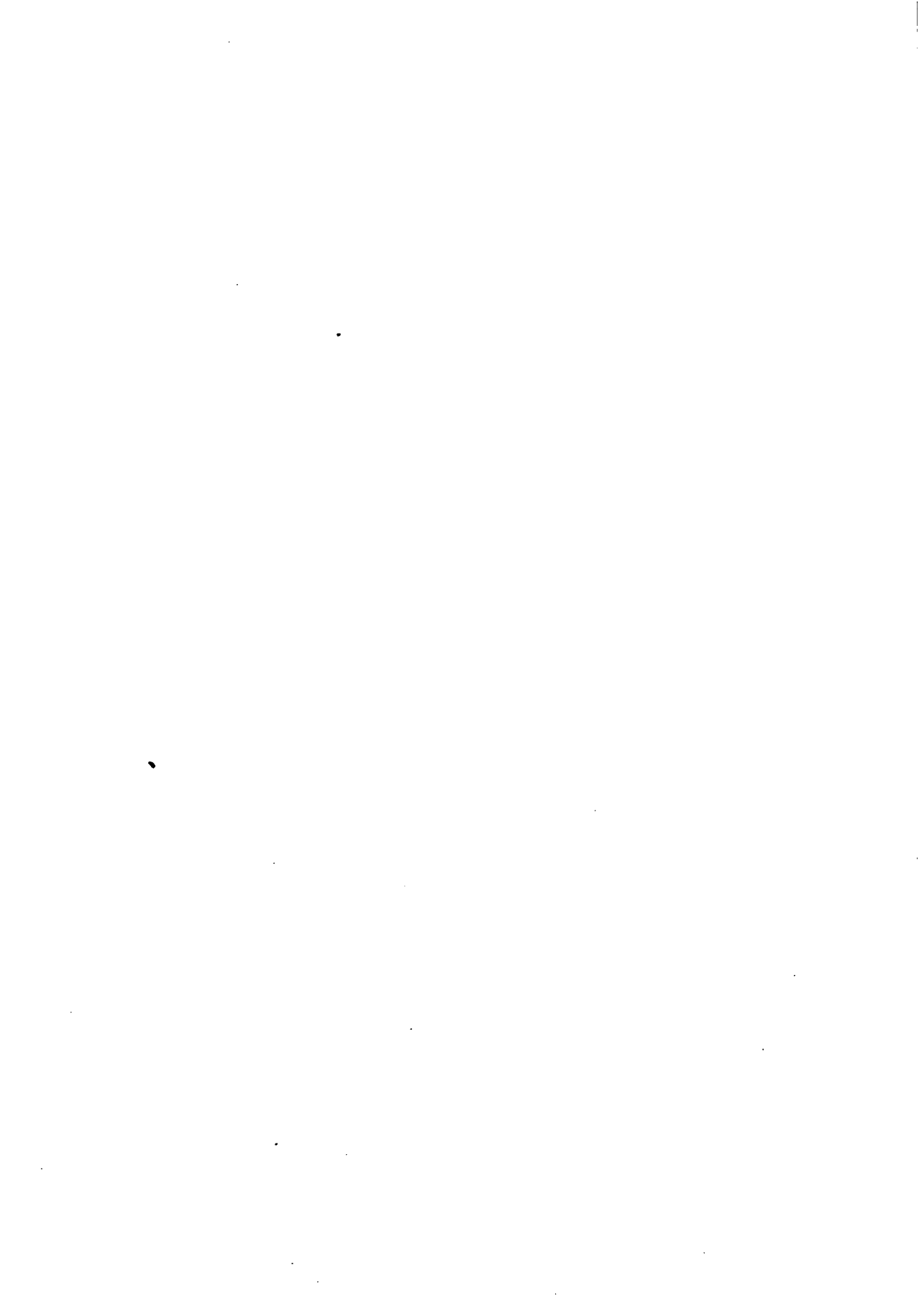








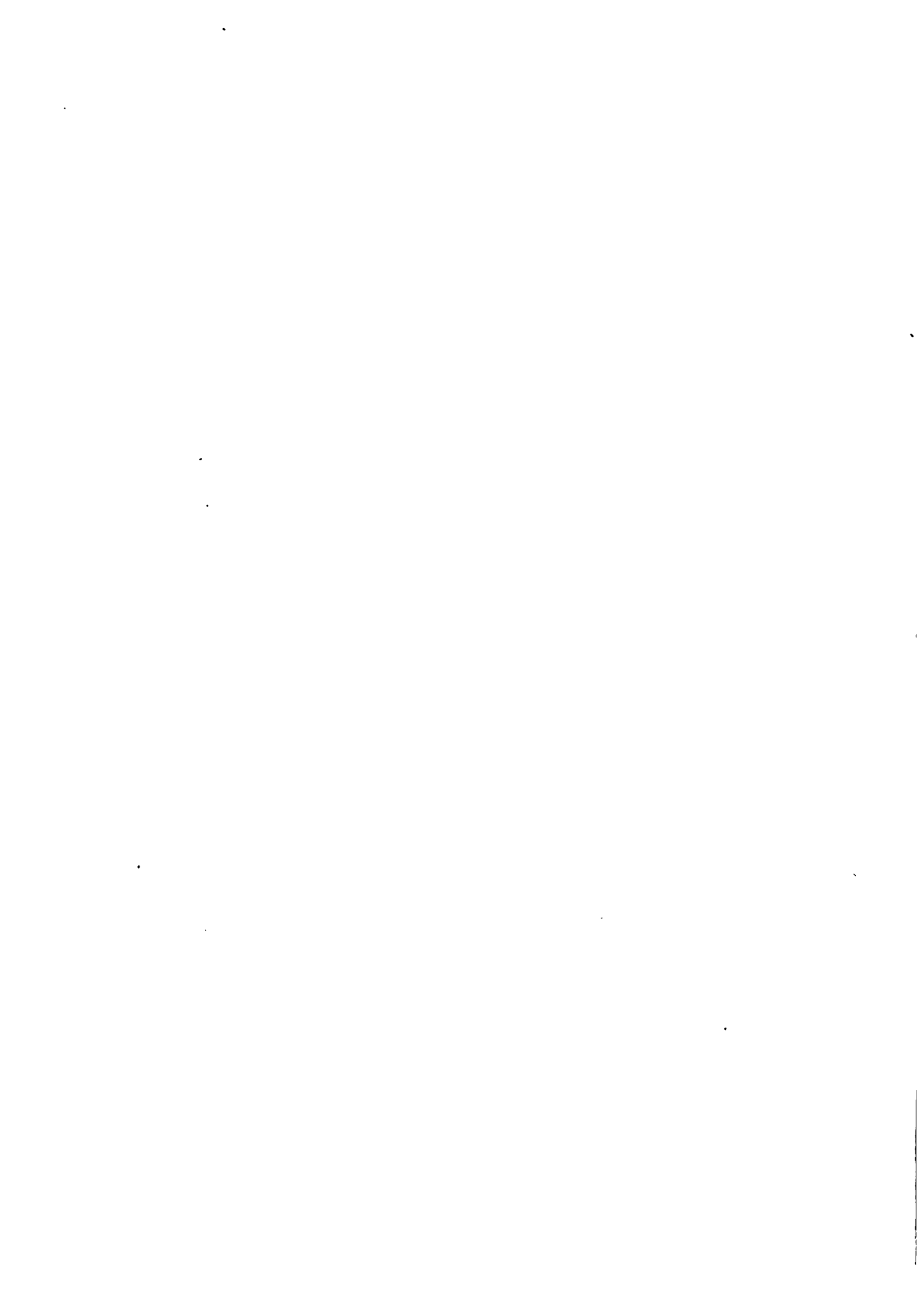






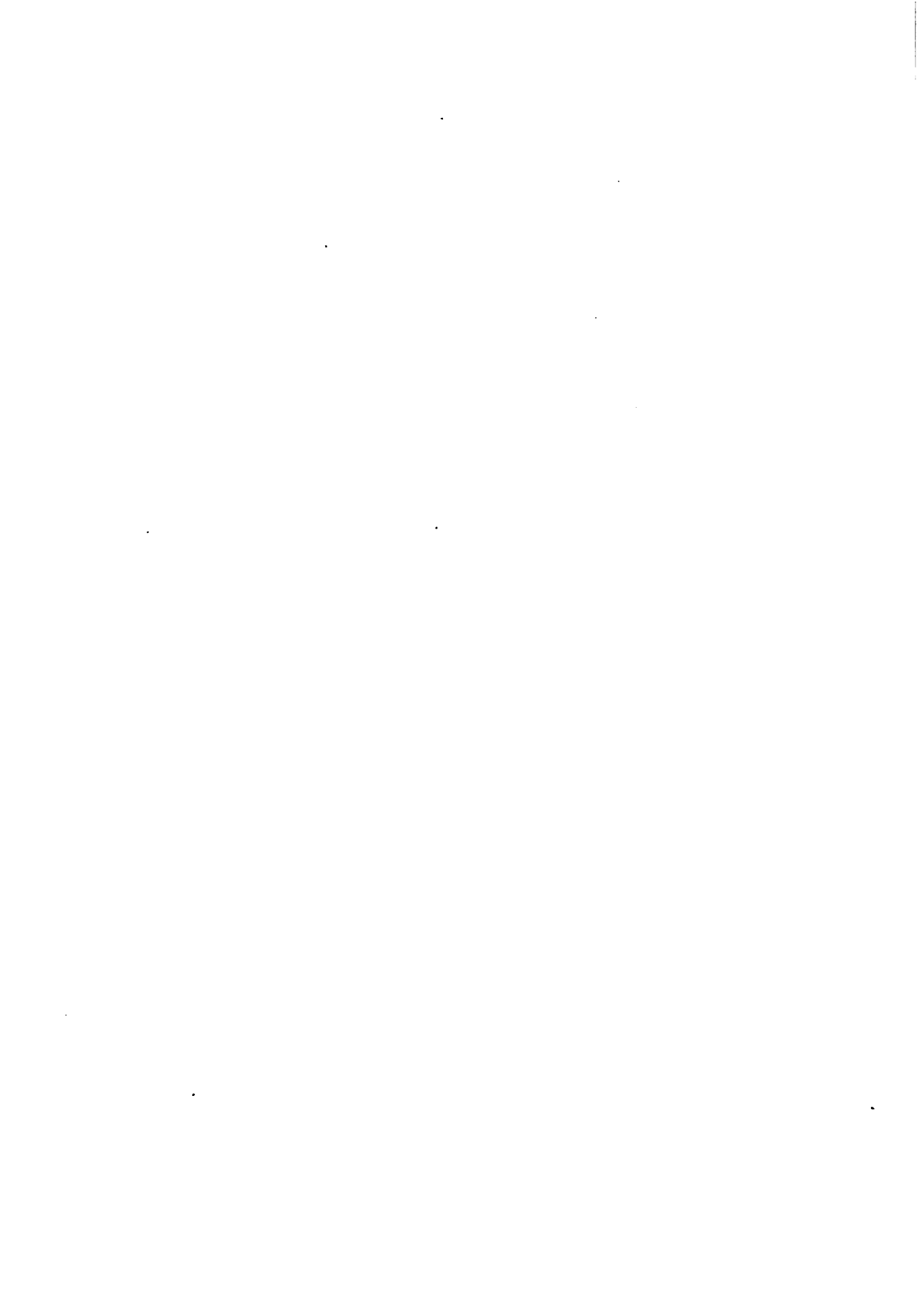


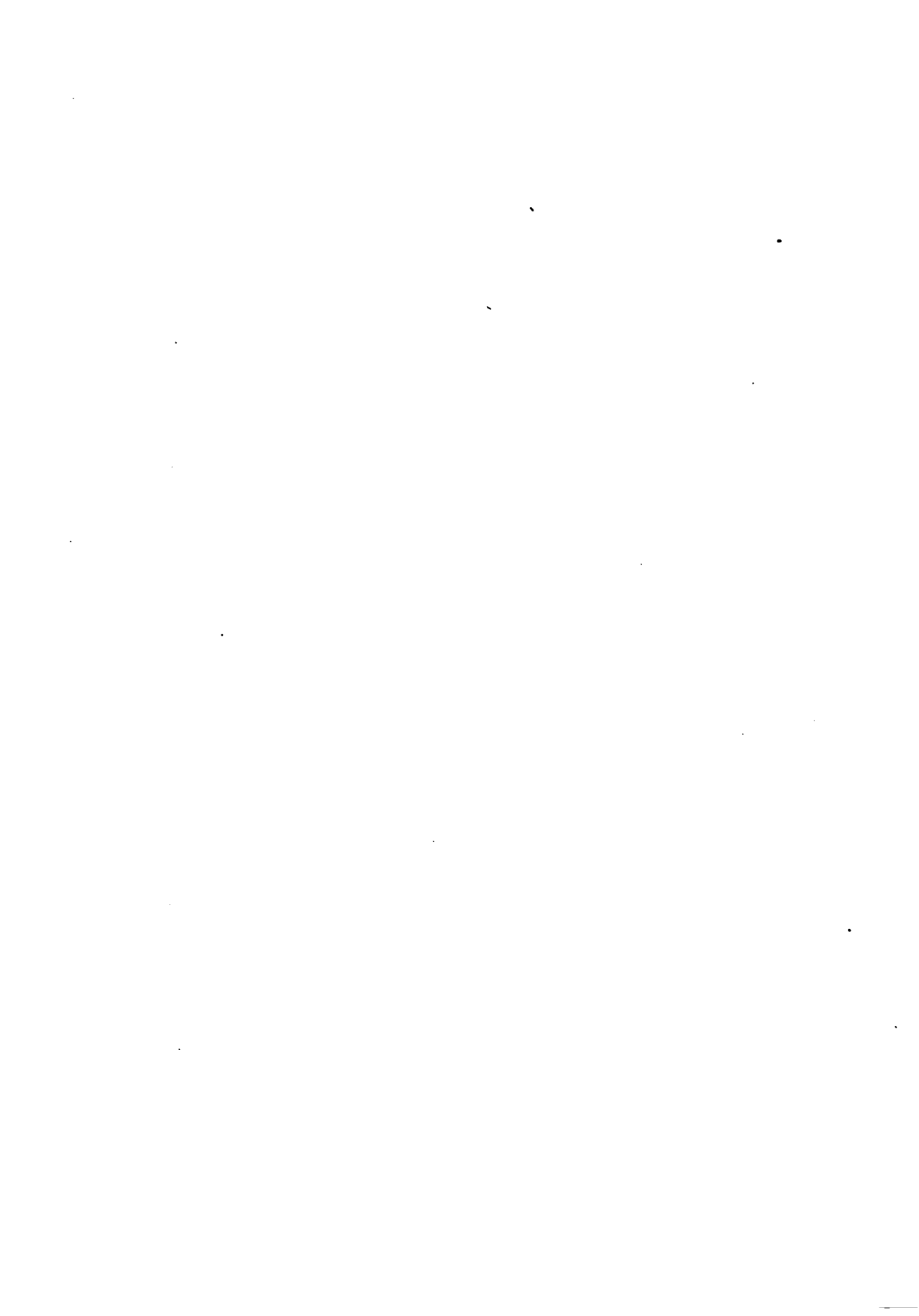










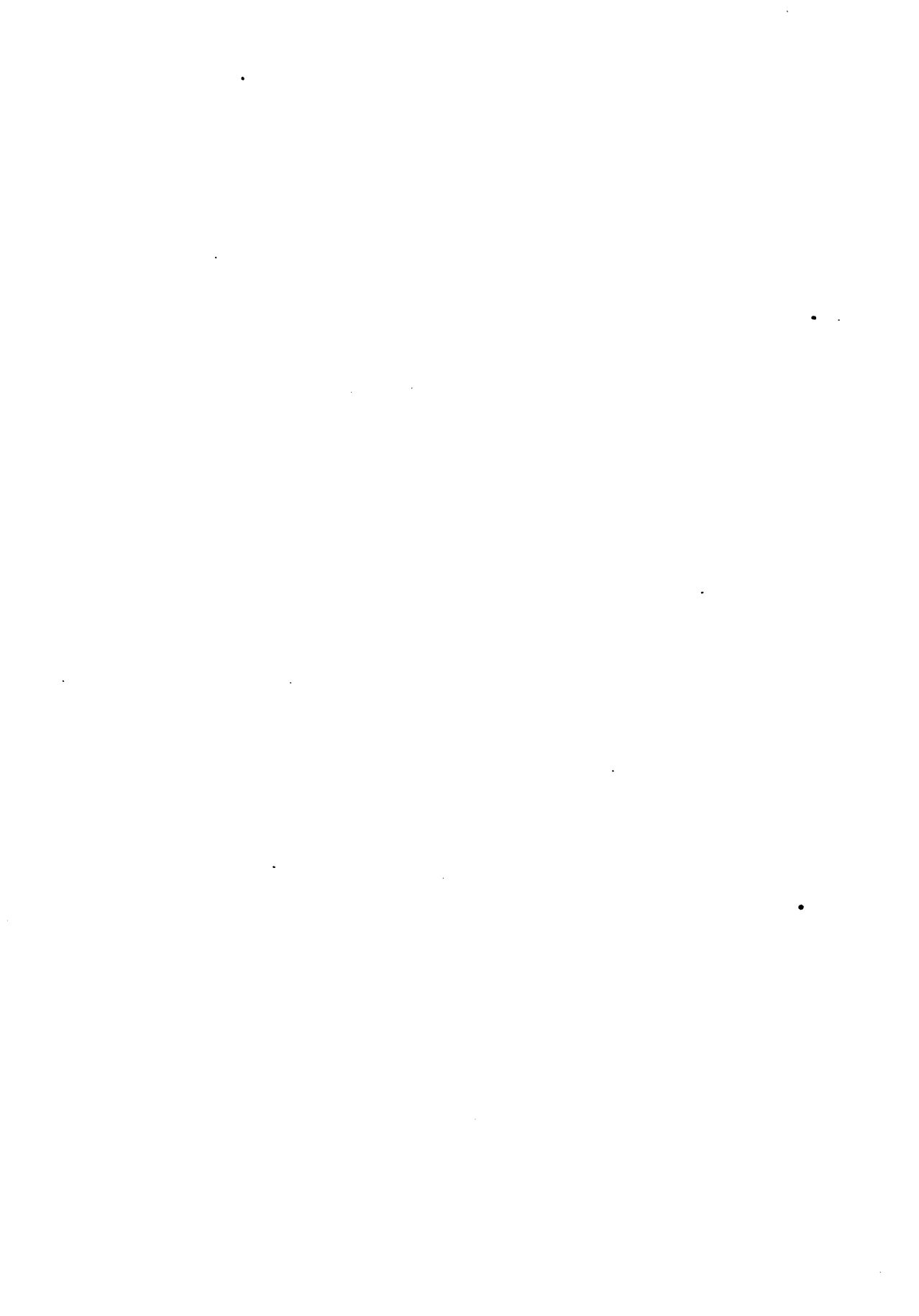












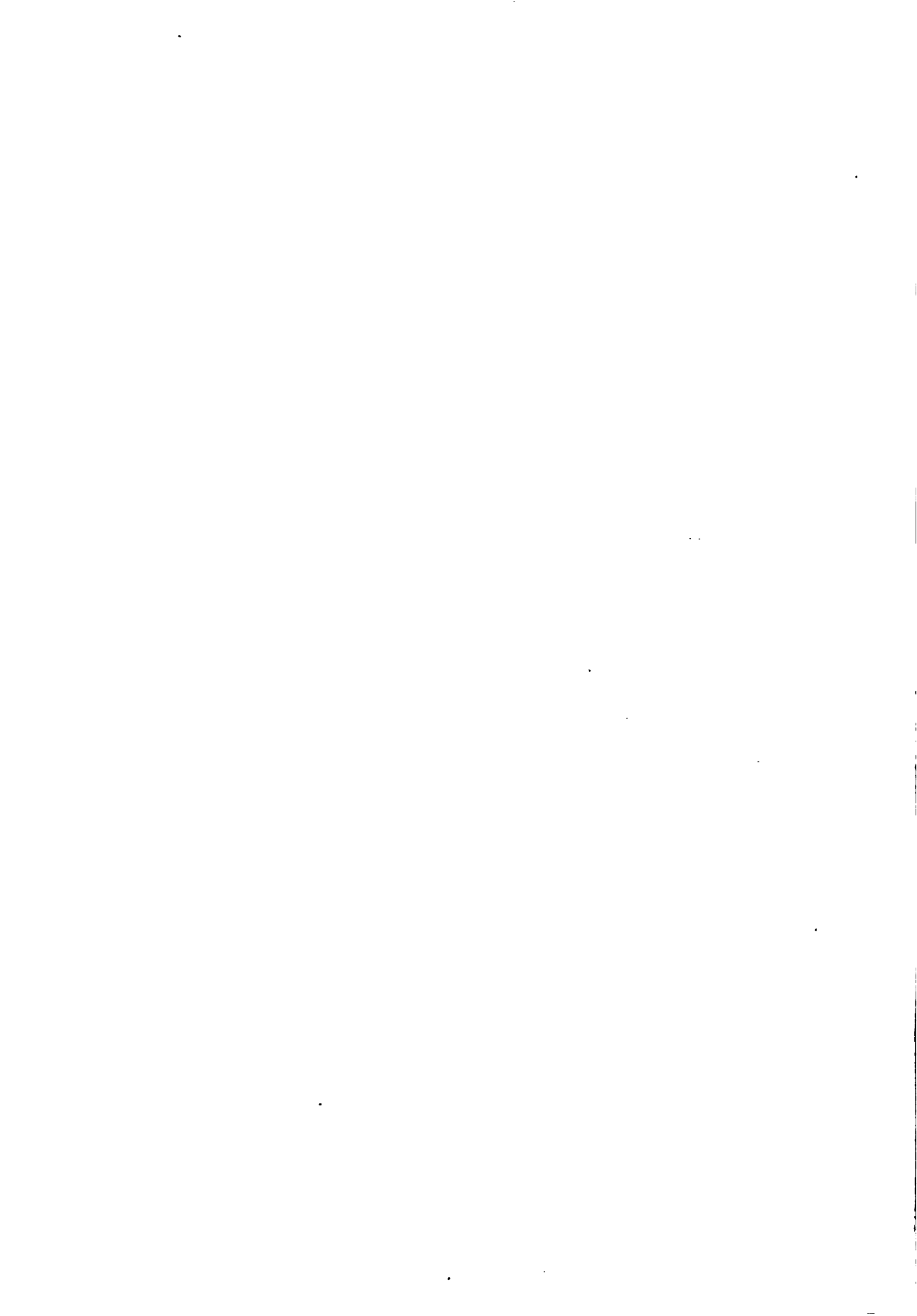








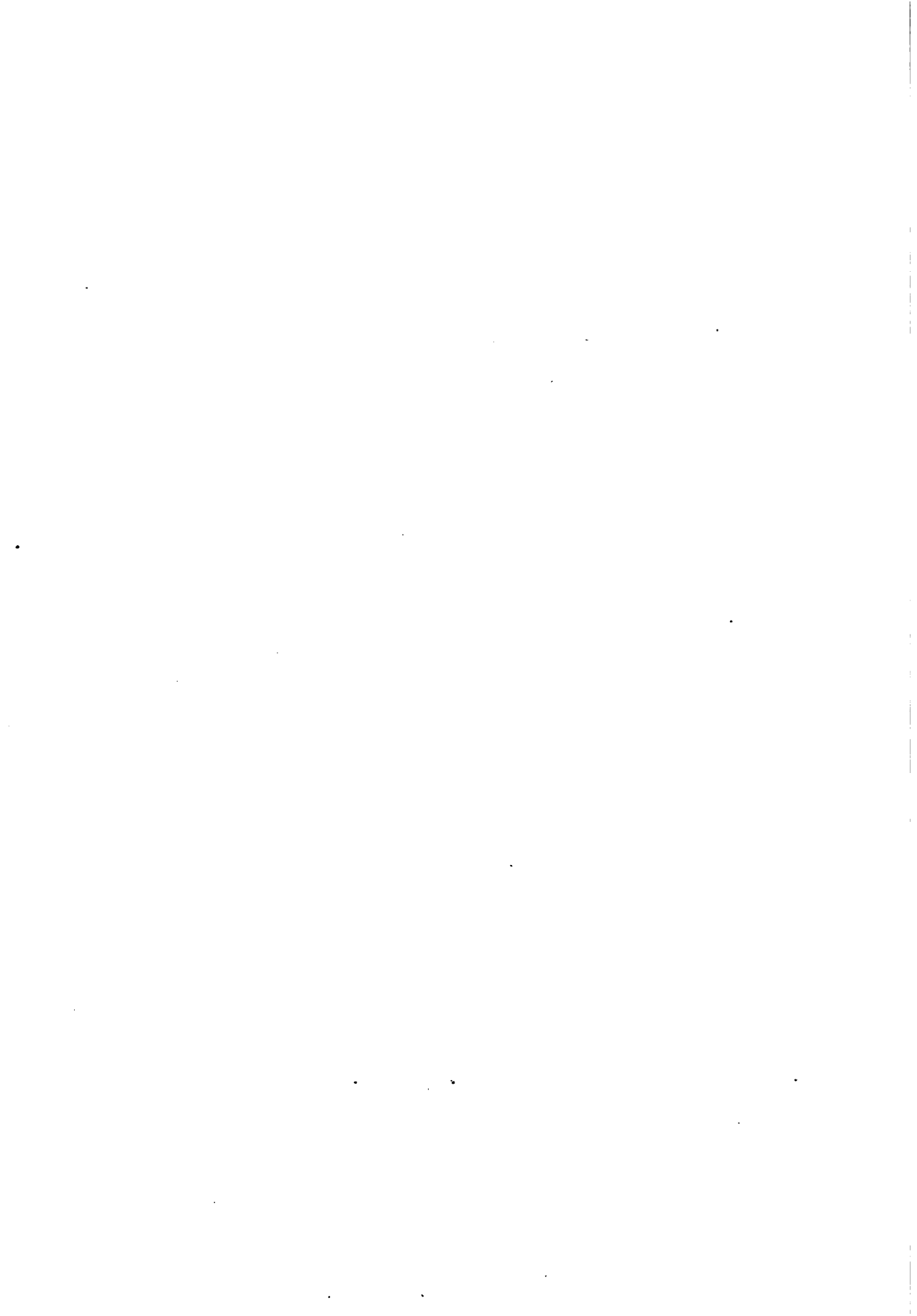




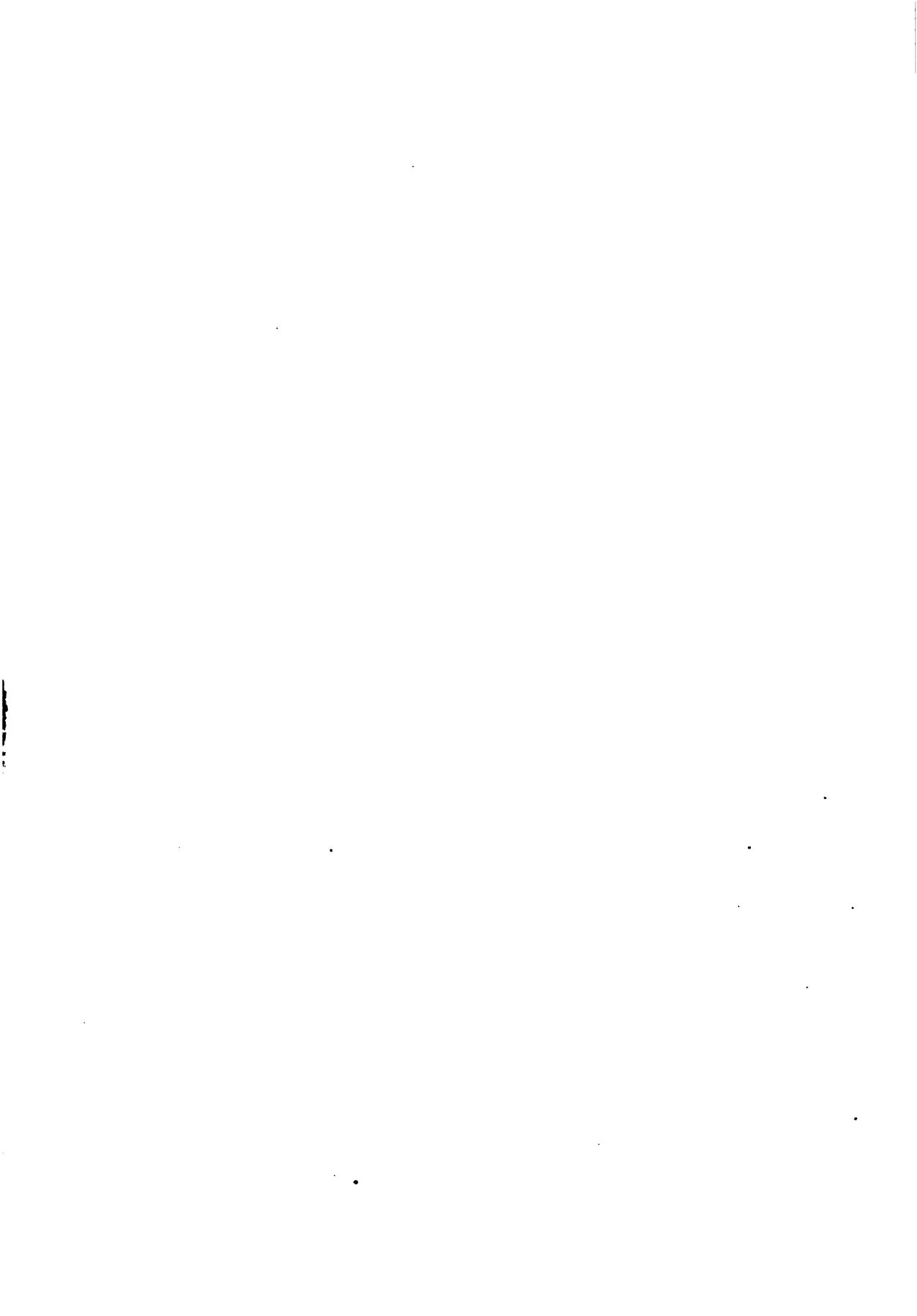














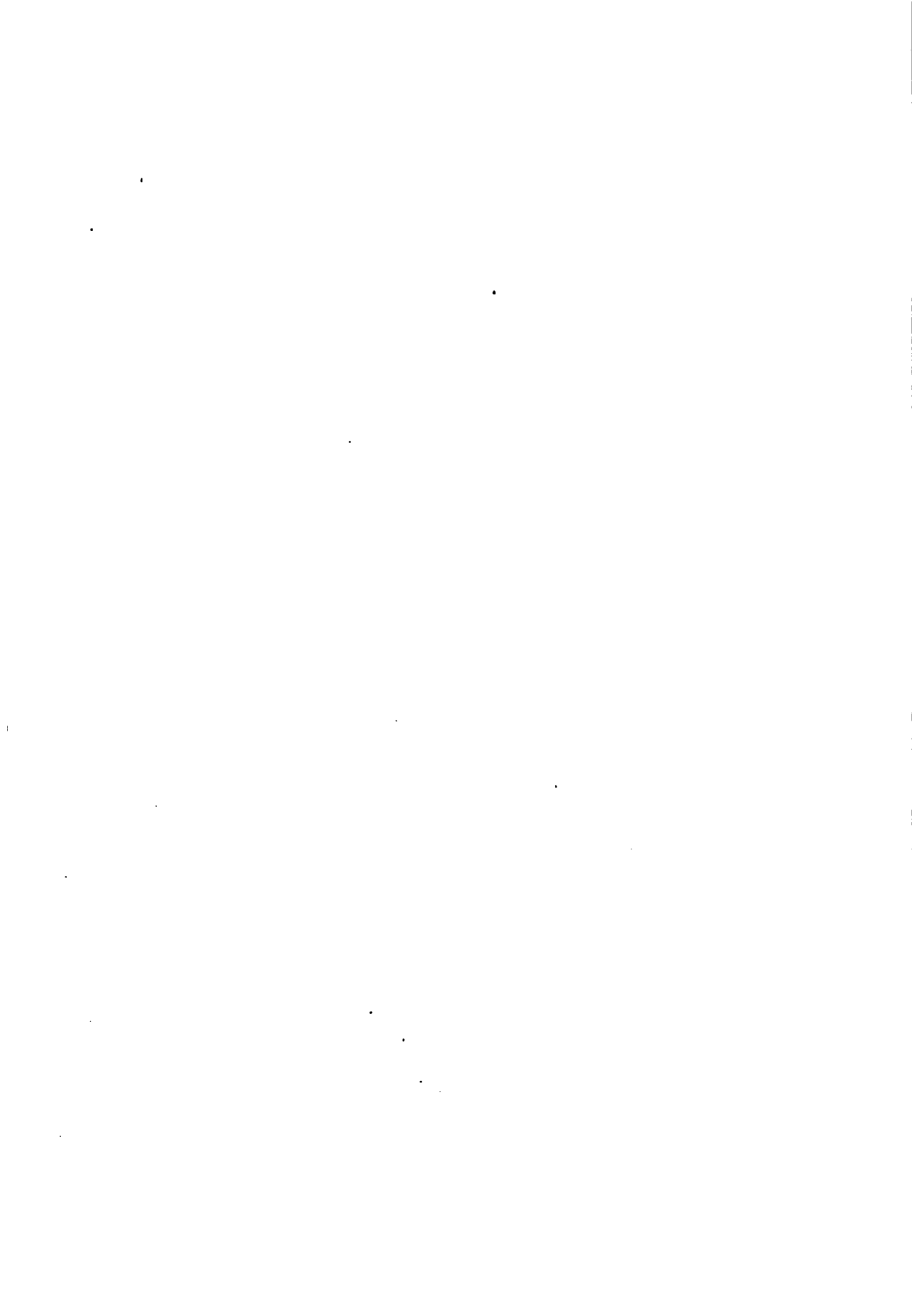




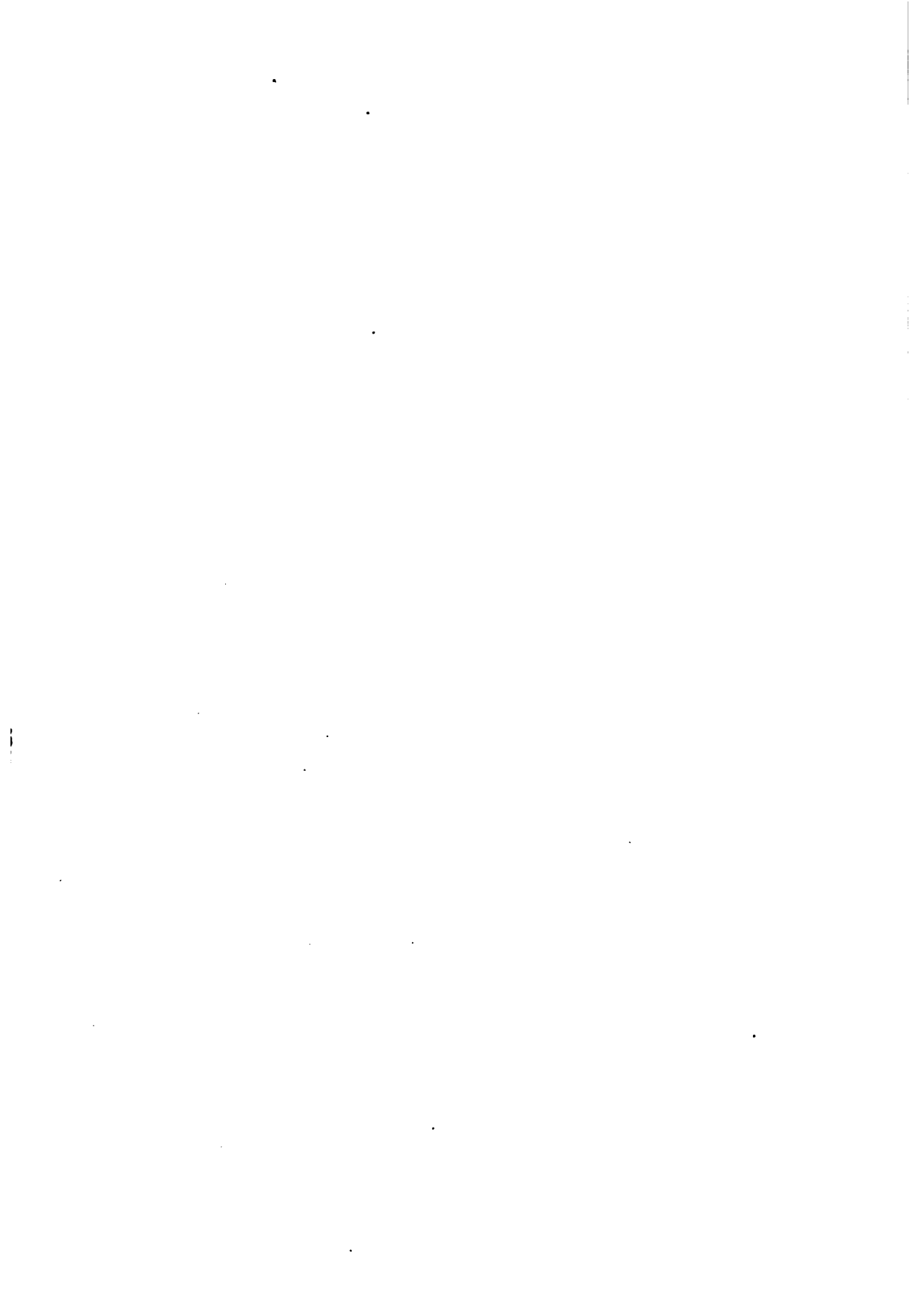




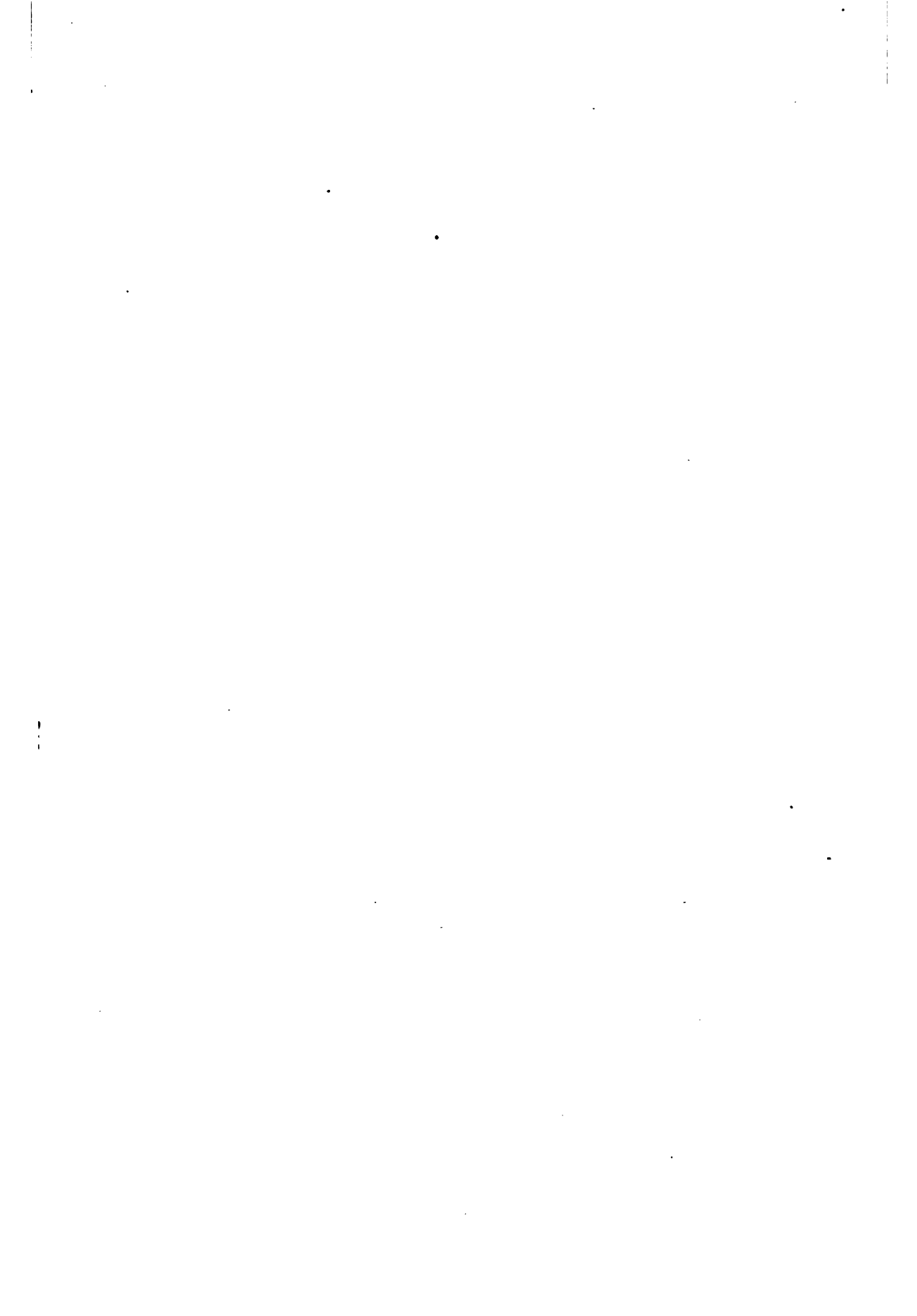






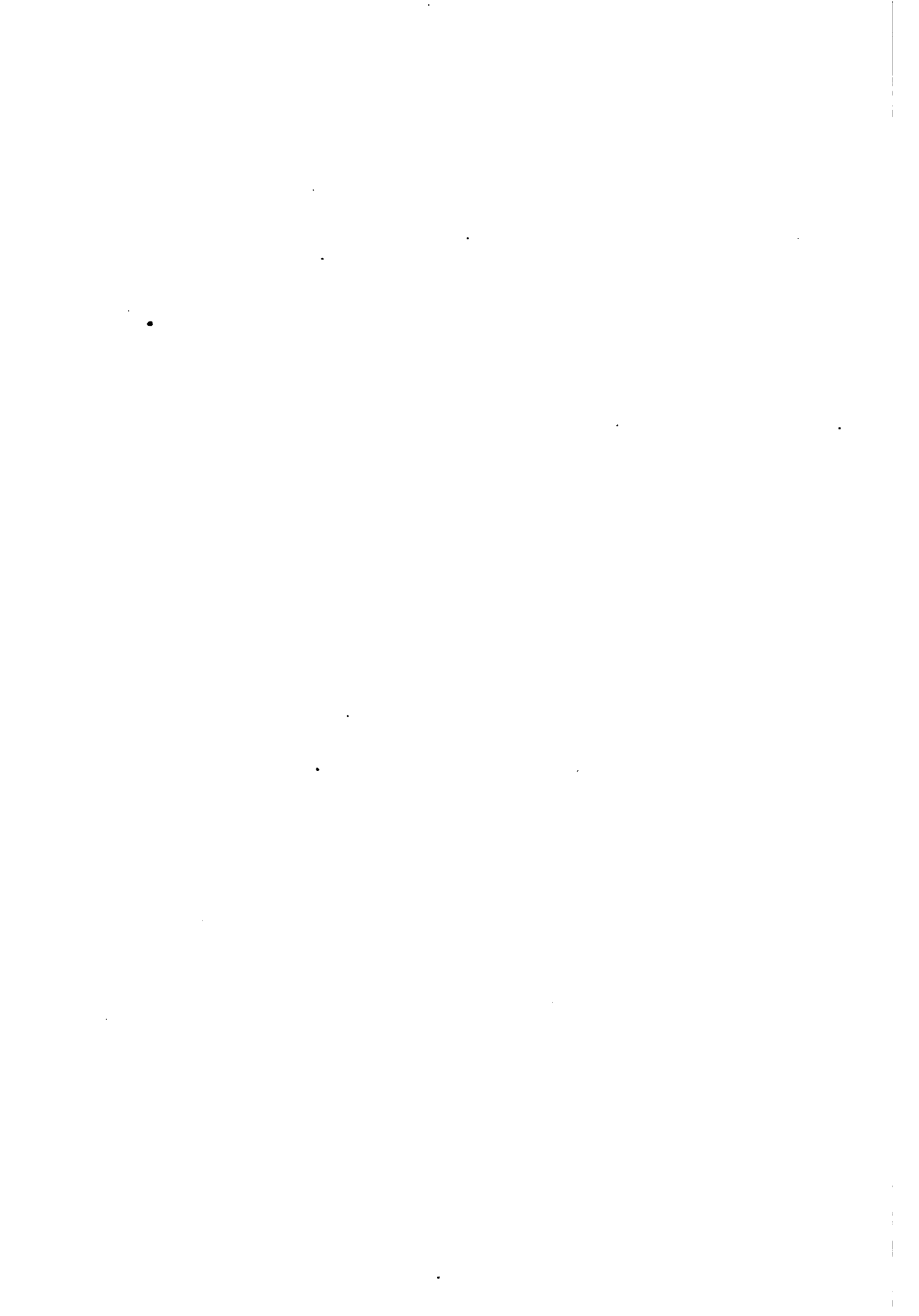




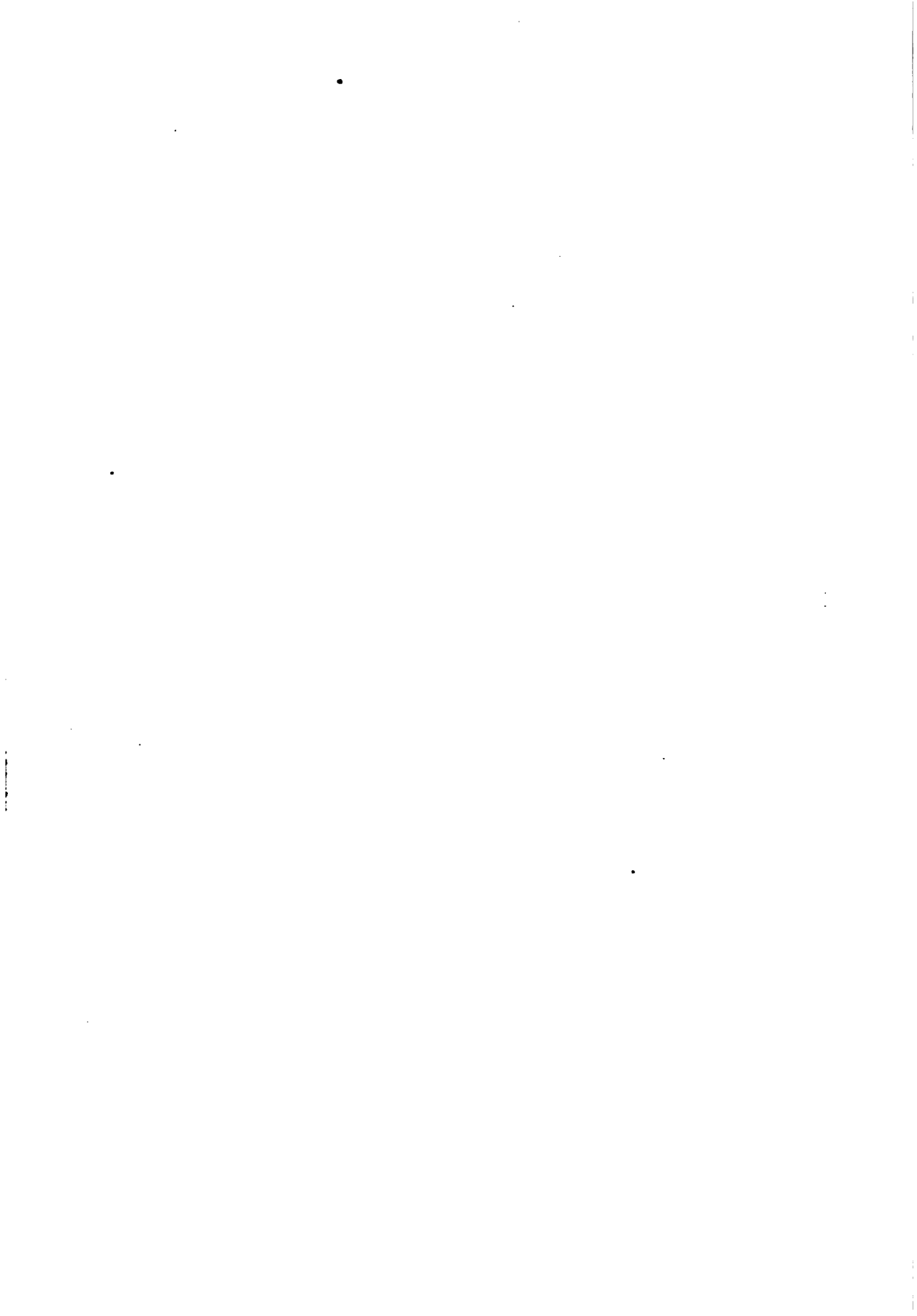




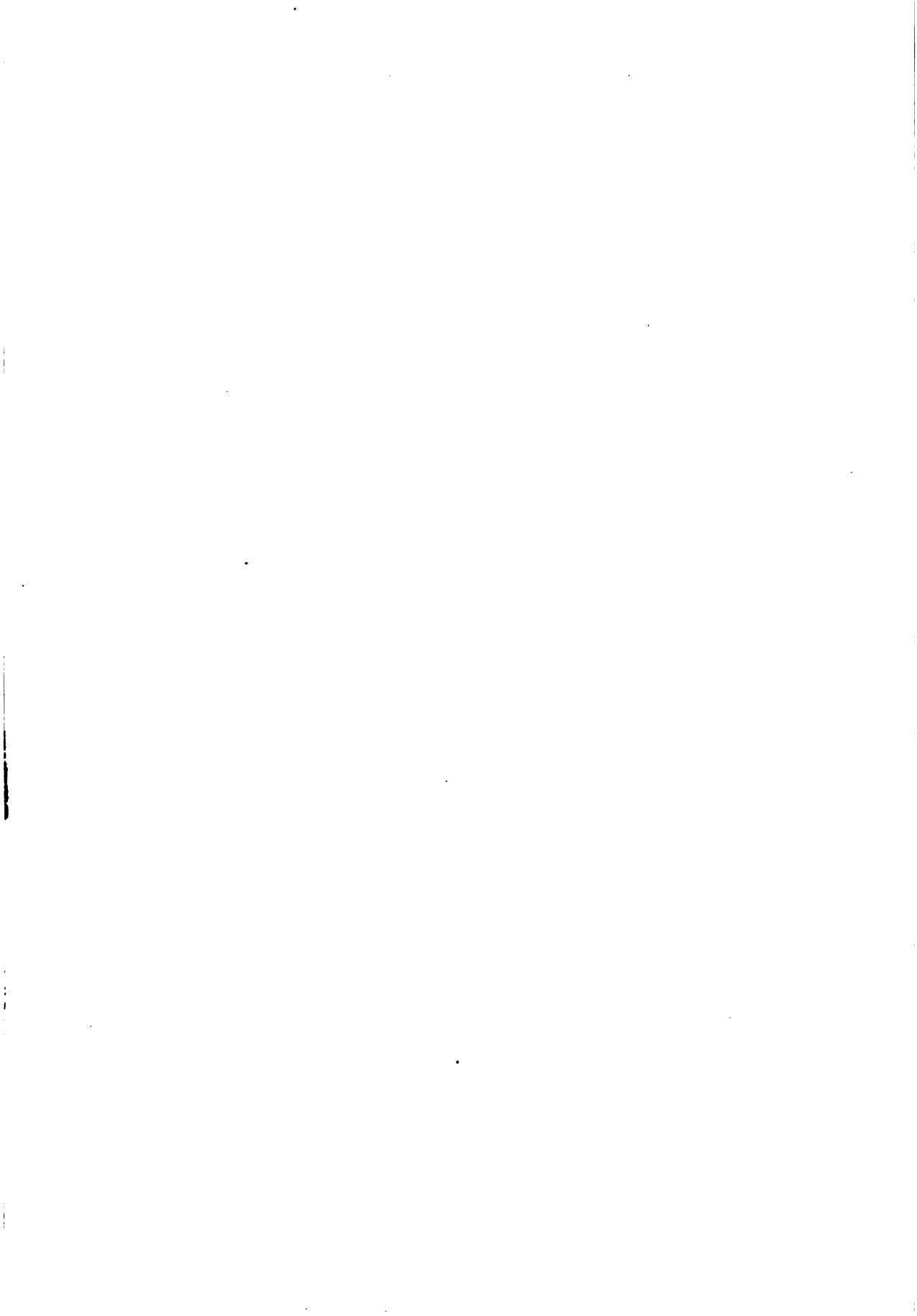














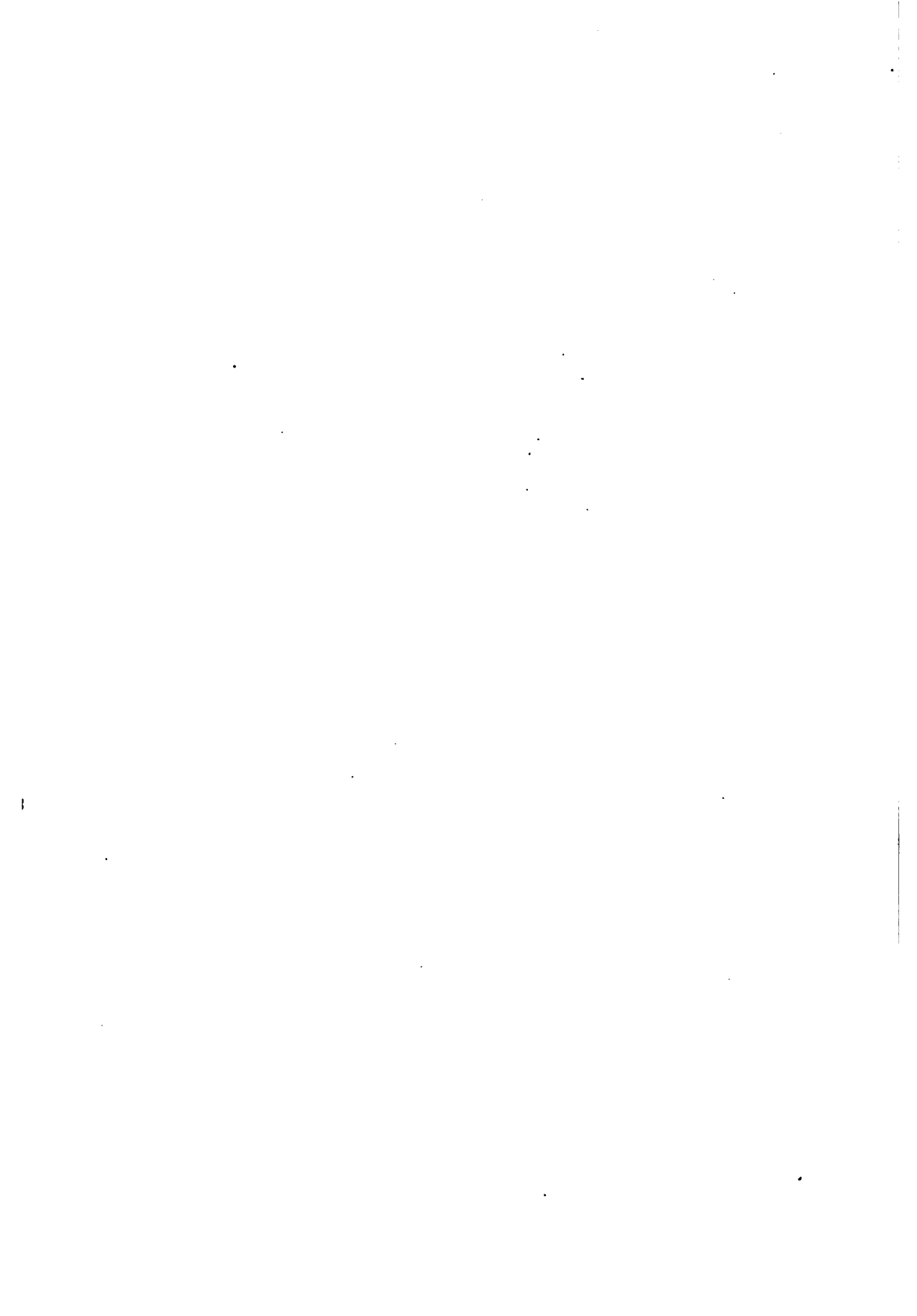








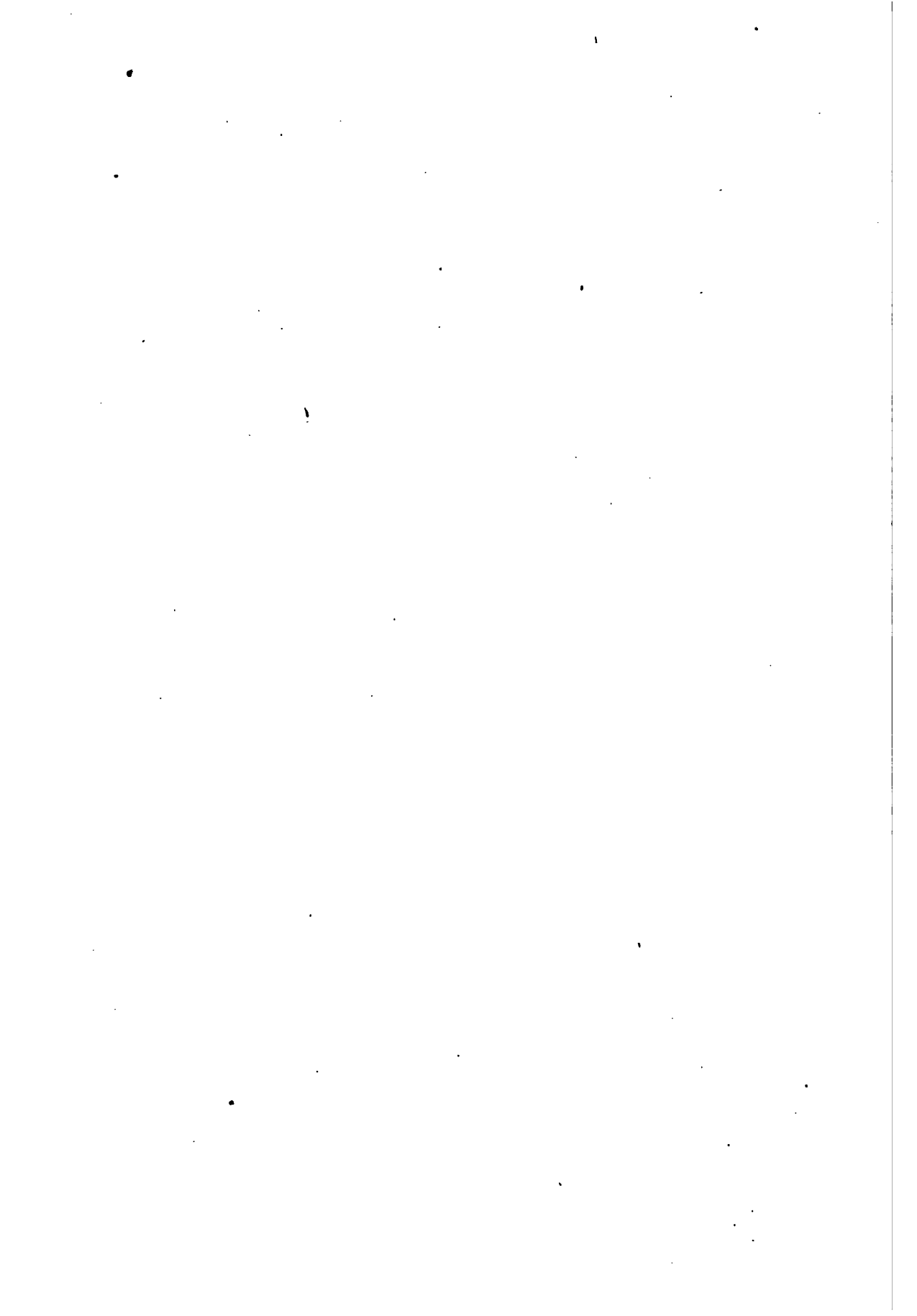
















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